



**CHENNAI METRO RAIL LIMITED**

**ADDENDUM-1**

**TO TENDER DOCUMENTS**

**CONTRACT: PHASE-II/CORR-5/CMWSSB/VPS-01/2020**

**VILLIVAKKAM METRO STATION IN THE CMWSSB PUMPING STATION PREMISES – RELOCATION OF EXISTING UNITS OF VILLIVAKKAM SECTOR-A SEWAGE PUMPING STATION- CONSTRUCTION OF NEW GRIT/SCREEN CHAMBER, SUCTION WELLS, PANEL ROOM, DG ROOM, COMPOUND WALL, APPROACH ROAD, RCC SUMP & RAIN WATER HARVESTING WITH ALLIED WORKS INCLUDING DEMOLISHING THE EXISTING GRIT/SCREEN CHAMBER, SUCTION WELL, PANEL ROOM, DG ROOM AND COMPOUND WALL INCLUDING PROVIDING & FIXING ELECTRICAL AND MECHANICAL & ODOUR CONTROL ITEM.**

**DATE: 23-10-2020**

**EMPLOYER: CHENNAI METRO RAIL LIMITED**

**COUNTRY: INDIA**

**CHENNAI METRO RAIL LIMITED****ADDENDUM – 1****TENDER NO.: PHASE-II/CORR-5/CMWSSB/VPS-01/2020**

<b>S. No</b>	<b>Tender Clause</b>	<b>Description</b>	<b>Addendum /Amendments to the tender document</b>
1	Vol-1, Item No.6 of NIT of ITB, Page 3 of 108	There will be a non-refundable tender Fees of INR 20,000/- (Rupees Twenty Thousand only) including GST to be paid by NEFT/RTGS/Demand Draft. A copy of GST Registration Details of Bidder is to be provided along with tender fees.	There will be a non-refundable tender Fees of <b>INR 5,900/- (Rupees Five Thousand and Nine Hundred only)</b> including GST to be paid by NEFT/RTGS/Demand Draft. A copy of GST Registration Details of Bidder is to be provided along with tender fees.
2	Vol-1, Item No.3 of NIT of ITB, Page 3 of 108	<b>a) Amount:</b> The total bid security / EMD amount shall be equivalent to <b>INR 5,02,974/- (Rupees Five lakhs and Two Thousand Nine Hundred and Seventy-Four only)</b> and submitted in the form of Bank Guarantee (BG) or via RTGS transactions to the below mentioned CMRL Bank account. Validity: In case of EMD by BG, it shall be valid for 208 days from date of stipulated Bid submission date i.e. up to 23.06.2021 or later. <b>b) Submission of Originals:</b> Tender Security in case of BG / Demand Draft (in originals) shall be accepted only up to 15.00 hrs on 29.10.2020 in the office of AGM (CP) at the address mentioned hereinafter.	<b>a) Amount:</b> The total bid security / EMD amount shall be equivalent to <b>INR 3,35,316/- (Rupees Three lakhs and Thirty Five Thousand and Three Hundred and Sixteen only)</b> and submitted in the form of Bank Guarantee (BG) or via RTGS transactions to the below mentioned CMRL Bank account. Validity: In case of EMD by BG, it shall be valid for 208 days from date of stipulated Bid submission date i.e. up to 23.06.2021 or later. <b>b) Submission of Originals:</b> Tender Security in case of BG / Demand Draft (in originals) shall be accepted only up to 15.00 hrs on 29.10.2020 in the office of AGM (CP) at the address mentioned hereinafter.

S. No	Tender Clause	Description	Addendum /Amendments to the tender document										
		c) In case of RTGS / NEFT transactions, bidders shall submit the copies of transaction of payment on or before last date of and time of Bid submission.`	c) In case of RTGS / NEFT transactions, bidders shall submit the copies of transaction of payment on or before last date of and time of Bid submission.`										
3	Vol-1, Clause No.34.4 of ITB, Page 30 of108	The value of performance security to be remitted for construction activity shall be 7.5% of the Accepted Contract Value.	The value of performance security to be remitted for construction activity will be calculated by adopting the following formula: <table border="1" data-bbox="1294 564 2085 1262"> <tbody> <tr> <td data-bbox="1294 564 1357 826">a)</td> <td data-bbox="1357 564 1850 826">For contracts within any plus percentage and upto minus 5% of the contract value compared to the departmental estimated value for construction.</td> <td data-bbox="1850 564 2085 826">2% of contract value</td> </tr> <tr> <td data-bbox="1294 826 1357 1050">b)</td> <td data-bbox="1357 826 1850 1050">For contracts above minus 5% and upto minus 15% compared to the departmental estimated value for construction.</td> <td data-bbox="1850 826 2085 1050">4% of contract value</td> </tr> <tr> <td data-bbox="1294 1050 1357 1262">c)</td> <td data-bbox="1357 1050 1850 1262">For contracts which are more than minus 15% compared to the departmental estimated value for construction.</td> <td data-bbox="1850 1050 2085 1262">5% of contract value</td> </tr> </tbody> </table>		a)	For contracts within any plus percentage and upto minus 5% of the contract value compared to the departmental estimated value for construction.	2% of contract value	b)	For contracts above minus 5% and upto minus 15% compared to the departmental estimated value for construction.	4% of contract value	c)	For contracts which are more than minus 15% compared to the departmental estimated value for construction.	5% of contract value
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S. No	Tender Clause	Description	Addendum /Amendments to the tender document
4	Vol-1, Forms of Securities and Contract Forms, Annex C, S.No.5, Letter of Acceptance, Page 98 of 108	5. You shall submit the following documents, a. You shall submit the Performance Security within 28 days after receiving the LoA at 7.5% of the Accepted Contract value for an amount of INR XXXX/- (INR in words) in the form of Bank Guarantee from reputable a public sector bank as per Clause 52 of Conditions of Contract.	5. You shall submit the following documents, a. You shall submit the Performance Security within 28 days after receiving the LoA as per Clause 34.4 of ITB for an amount of INR XXXX/- (INR in words) in the form of Bank Guarantee from reputable a public sector bank as per Clause 52 of Conditions of Contract.
5	Vol-1, Item No.4 of NIT, Page 3 of 108	Duration of Contract (Completion period of the work) - 180 days	Duration of Contract (Completion period of the work) – <b>7 months</b>
6	Vol-1, S.No.5 of Contract Data, Page 48 of 108	The Completion Date for the whole of the Construction Works is 6 Months from date of commencement / start date.	The Completion Date for the whole of the Construction Works is <b>7 Months</b> from date of commencement / start date.
7	Vol-1, Forms of Securities and Contract Forms, Annex C, S.No.5, Letter of Acceptance, Page 98 of 108	The Time for Completion of the Works is 6 months from the date of commencement.	The Time for Completion of the Works is <b>7 months</b> from the date of commencement.

S. No	Tender Clause	Description	Addendum /Amendments to the tender document																																																														
8	Vol-1, S.No.5 of Contract Data, Page 48 of 108 and 49 of 108	Description of Milestones (physical implementation of Construction contract). <table border="1" data-bbox="521 360 1261 1450"> <thead> <tr> <th rowspan="3">S · N o</th> <th rowspan="3">Name of the work</th> <th colspan="3">Milestones (% of Completion of work)</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> </tr> <tr> <th>2.5 months from start date</th> <th>5 months from start date</th> <th>6 months from start date</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Construction of Grit &amp; Suction wells and raising of ground level</td> <td>50%</td> <td>100%</td> <td>0%</td> </tr> <tr> <td>2</td> <td>Construction of column, Erection of ISMB, Valve chamber, Silt Pit, Pump Room and allied works</td> <td>0%</td> <td>90%</td> <td>100%</td> </tr> <tr> <td>3</td> <td>Supply &amp; Erection of mechanical / Electrical / Instrumentation works</td> <td>0%</td> <td>70%</td> <td>100%</td> </tr> <tr> <td>4</td> <td>Suction</td> <td>0%</td> <td>80%</td> <td>100%</td> </tr> </tbody> </table>	S · N o	Name of the work	Milestones (% of Completion of work)			1	2	3	2.5 months from start date	5 months from start date	6 months from start date	1	Construction of Grit & Suction wells and raising of ground level	50%	100%	0%	2	Construction of column, Erection of ISMB, Valve chamber, Silt Pit, Pump Room and allied works	0%	90%	100%	3	Supply & Erection of mechanical / Electrical / Instrumentation works	0%	70%	100%	4	Suction	0%	80%	100%	Description of Milestones (physical implementation of Construction contract). <table border="1" data-bbox="1305 360 2054 1450"> <thead> <tr> <th rowspan="3">S · N o</th> <th rowspan="3">Name of the work</th> <th colspan="3">Milestones (% of Completion of work)</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> </tr> <tr> <th>3 months from start date</th> <th>6 months from start date</th> <th>7 months from start date</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Construction of Grit &amp; Suction wells and raising of ground level</td> <td>50%</td> <td>100%</td> <td>0%</td> </tr> <tr> <td>2</td> <td>Construction of column, Erection of ISMB, Valve chamber, Silt Pit, Pump Room and allied works</td> <td>0%</td> <td>90%</td> <td>100%</td> </tr> <tr> <td>3</td> <td>Supply &amp; Erection of mechanical / Electrical / Instrumentation works</td> <td>0%</td> <td>70%</td> <td>100%</td> </tr> <tr> <td>4</td> <td>Suction</td> <td>0%</td> <td>80%</td> <td>100%</td> </tr> </tbody> </table>	S · N o	Name of the work	Milestones (% of Completion of work)			1	2	3	3 months from start date	6 months from start date	7 months from start date	1	Construction of Grit & Suction wells and raising of ground level	50%	100%	0%	2	Construction of column, Erection of ISMB, Valve chamber, Silt Pit, Pump Room and allied works	0%	90%	100%	3	Supply & Erection of mechanical / Electrical / Instrumentation works	0%	70%	100%	4	Suction	0%	80%	100%
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S. No	Tender Clause	Description				Addendum /Amendments to the tender document					
			Delivery Pipe and Pumping Main specials					Delivery Pipe and Pumping Main specials			
		5	Interconnection work, dismantling and construction of compound wall	0%	0%	100%	5	Interconnection work, dismantling and construction of compound wall	0%	0%	100%
9	Vol-3, Price Bid, Section -1, S.No.3, Page 4 of 58	Providing and laying in position machine batched, machine mixed and machine vibrated design mix. Sulphate resistance cement concrete of Cu.m0 grade for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and downgraded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site.					Providing and laying in position machine batched, machine mixed and machine vibrated design mix. Sulphate resistance cement concrete of <b>M30 grade</b> for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20 mm and downgraded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site.				
10	Vol-3, Price Bid, Section -2, S.No.3, Page 8 of 58	Providing and laying in position machine batched, machine mixed and machine vibrated design mix. Sulphate resistance cement concrete of Cu.m0 grade for reinforced cement concrete structural elements under					Providing and laying in position machine batched, machine mixed and machine vibrated design mix. Sulphate resistance cement concrete of <b>M30 grade</b> for reinforced cement concrete structural elements under controlled				

S. No	Tender Clause	Description	Addendum /Amendments to the tender document
		controlled water cement ratio with plasticiser using 20mm and downgraded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site.	water cement ratio with plasticiser using 20mm and downgraded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site.
11	Vol-3, Price Bid, Section -4, S.No.1, Page 13 of 58	Providing and laying in position machine batched, machine mixed and machine vibrated design mix. Sulphate resistance cement concrete of Cu.m0 grade for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and downgraded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site.	Providing and laying in position machine batched, machine mixed and machine vibrated design mix. Sulphate resistance cement concrete of <b>M30 grade</b> for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and downgraded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site.
12	Vol-3, Price Bid, Section -5, S.No.4, Page 15 of 58	Providing and laying in position machine batched, machine mixed and machine vibrated design mix. Sulphate resistance cement concrete of Cu.m0 grade (using SRC) for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and downgraded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site.	Providing and laying in position machine batched, machine mixed and machine vibrated design mix. Sulphate resistance cement concrete of <b>M30 grade</b> (using SRC) for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and downgraded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site.

S. No	Tender Clause	Description	Addendum /Amendments to the tender document
13	Vol-3, Price Bid, Section -7, S.No.4, Page 19 of 58	Providing and laying in position machine batched, machine mixed and machine vibrated design mix. Sulphate resistance cement concrete of CUM0 grade (using SRC) for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and downgraded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site.	Providing and laying in position machine batched, machine mixed and machine vibrated design mix. Sulphate resistance cement concrete of <b>M30 grade</b> (using SRC) for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and downgraded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site.
14	Vol-3, Price Bid, Section -10, S.No.4, Page 23 of 58	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of SQM5 grade for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and downgraded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, fixing, fan clamps etc., as per standard specification and as directed by the Board officers complete.	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of <b>M25 grade</b> for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and downgraded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, fixing, fan clamps etc., as per standard specification and as directed by the Board officers complete.
15	Vol-3, Price Bid, Section -11, S.No.5, Page 30 of 58	Providing and laying in position machine batched, machine mixed and machine vibrated design mix. sulphate resistant cement concrete of Cu.m0 grade (using SRC) for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm	Providing and laying in position machine batched, machine mixed and machine vibrated design mix. sulphate resistant cement concrete of <b>M30 grade</b> (using SRC) for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and downgraded



S. No	Tender Clause	Description	Addendum /Amendments to the tender document
		and downgraded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site.	machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site.
16	Vol-1, Clause 4.5.A S. No. 3 in the Table of ITB, Page 10 of 108	Should have successfully completed supply, laying, construction, jointing & testing of sewer pumping station works for CMWSSB of in the last five (5) years	Should have successfully completed supply, laying, construction, jointing & testing of sewer pumping station works for <b>CMWSSB / Private Sector / Public Sector</b> in the last five (5) years
17	Vol-1, Abstract Information on Qualification Criteria, S.No.3 in the Table, Page 35 of 108	Should have successfully completed supply, laying, construction, jointing & testing of sewer pumping station works for CMWSSB of in the last five (5) years.	Should have successfully completed supply, laying, construction, jointing & testing of sewer pumping station works for <b>CMWSSB / Private Sector / Public Sector</b> in the last five (5) years.

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For Chennai Metro Rail Limited

Chief General Manager (UG-C)

**CHENNAI METRO RAIL LIMITED**  
**TENDER No. - PHASE-II/CORR-5/CMWSSB/VPS-01/2020**  
**PREBID QUERIES and REPLIES**

**Name of Tender:** Villivakkam Metro station in the CMWSSB Pumping station Premises – Relocation of existing units of Villivakkam Sector-A Sewage Pumping Station- Construction of new Grit/Screen Chamber, Suction Wells, Panel Room, DG Room, Compound Wall, Approach Road, RCC Sump & Rain Water Harvesting With allied works including demolishing the existing Grit/Screen Chamber, Suction Well, Panel Room, DG Room and compound wall including Providing & Fixing Electrical and Mechanical & Odour Control Items

SI No.	Clause No. of ITB/GCC/SCC/Forms	Tender Condition	Bidder Query	CMRL Reply	Addendum Yes/ No
<b>VOL-I</b>					
1	Item No.6 of NIT of ITB, Page 3 of 108	There will be a non-refundable tender Fees of INR 20,000/- (Rupees Twenty Thousand only) including GST to be paid by NEFT/RTGS/Demand Draft.	In CMWSSB there is no tender document cost. Here it is too expense and it would be great if it is revised.	<b>Agreed.</b> Revised Tender Fees including GST is <b>INR 5,900/- (Rupees Five Thousand and Nine Hundred only).</b>	Yes. Please refer S.No. 1 of Addendum-1.
2	Item No.3 of NIT of ITB, Page 3 of 108	a) Amount: The total bid security / EMD amount shall be equivalent to INR 5,02,974/- (Rupees Five lakhs and Two Thousand Nine Hundred and Seventy-Four only) and submitted in the form of Bank Guarantee (BG) or via RTGS transactions to the below mentioned CMRL Bank account.	In CMWSSB below is the % calculation for EMD. 1. Upto 20 Lakhs - 1% 2. Above 20 Lakhs - 0.5% Considering the above it would be great if EMD amount is revised.	<b>Agreed.</b> Revised Bid security / EMD amount is <b>INR 3,35,316/- (Rupees Three lakhs and Thirty Five Thousand and Three Hundred and Sixteen only).</b>	Yes. Please refer S.No. 2 of Addendum-1.
3	Clause No.34.4 of ITB, Page 30 of 108	The value of performance security to be remitted for construction activity shall be 7.5% of the Accepted Contract Value.	In CMWSSB SD is 2% of contract value but over CMRL it is 7.5% of the contract value, I feel it is too high and it would be great if SD % is reconsider.	<b>Agreed.</b> Clause amended in addendum.	Yes. Please refer S.No. 3 of Addendum-1.
4	Item No.4 of NIT, Page 3/108 & S.No 5 of contract data, Page 48 of 108	The Completion Date for the whole of the Construction Works is 6 Months from date of commencement / start date.	Reason for Contract period extension of 240 days (9 months) 1. Monsoon season (Nov, Dec & till Jan 15th) work can not be started due to rain 2. Since working site is off road shifting of materials, clearing debris, etc...., will be difficult in rainy season. 3. In the month Jan all the workers will be going to their native for pongal festival celebration. Considering all these above it would be great if contract period is extended.	<b>Agreed.</b> The Duration of Contract is changed from 6 Months to 7 months.	Yes. Please refer S.No. 5 of Addendum-1.
5	Item No.12 of NIT of ITB , Page 3 of 108	Last Date and Time of submission/uploading of Tender 29.10.2020 upto 15:00 hrs	Please extend the tender bid submission for 1 week from 29.10.20.	<b>Not agreed.</b> The tender condition shall prevail.	No
6	Clause 4.5.A S. No. 3 in the Table of ITB, Page 10 of 108	Should have successfully completed supply, laying, construction, jointing & testing of sewer pumping station works for CMWSSB of in the last five (5) years.	Bidder requested to consider the sewer pumping station works for private clients also.	<b>Agreed.</b> Sewer pumping station works for CMWSSB /Private Sector /Public Sector is considered.	Yes. Please refer S.No. 16 of Addendum-1.
<b>VOL-III</b>					
7	Volume-III, Price Bid	-	Expecting BOQ to be in Excel sheet for easy update. Else there are many chance for typo error and miscalculation. Note: In CMWSSB BOQ will be available in Excel sheet.	<b>Not agreed.</b>	No
8	Price Bid, Section -1, S.No.3, Page 4 of 58	Providing and laying in position machine batched, machine mixed and machine vibrated design mix. Sulphate resistance cement concrete of Cu.m0 grade for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and down graded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site	Section-1 Grit/Screen Chamber - S.No.3 - M Grade is not mentioned whether it is M20, M30 etc..	<b>Agreed.</b> Concrete Grade (M30) is updated.	Yes. Please refer S.No. 9 of Addendum-1.

## PREBID QUERIES and REPLIES

**Name of Tender:** Villivakkam Metro station in the CMWSSB Pumping station Premises – Relocation of existing units of Villivakkam Sector-A Sewage Pumping Station- Construction of new Grit/Screen Chamber, Suction Wells, Panel Room, DG Room, Compound Wall, Approach Road, RCC Sump & Rain Water Harvesting With allied works including demolishing the existing Grit/Screen Chamber, Suction Well, Panel Room, DG Room and compound wall including Providing & Fixing Electrical and Mechanical & Odour Control Items

SI No.	Clause No. of ITB/GCC/SCC/Forms	Tender Condition	Bidder Query	CMRL Reply	Addendum Yes/ No
9	Price Bid, Section -2, S.No.3, Page 8 of 58	Providing and laying in position machine batched, machine mixed and machine vibrated design mix. Sulphate resistance cement concrete of Cu.m0 grade for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and down graded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site	Section-2 Suction Well - S.No.3 - M Grade is not mentioned whether it is M20, M30 etc...	<b>Agreed.</b> Concrete Grade (M30) is updated.	Yes. Please refer S.No. 10 of Addendum-1.
10	Price Bid, Section -4, S.No.1, Page 13 of 58	Providing and laying in position machine batched, machine mixed and machine vibrated design mix. Sulphate resistance cement concrete of Cu.m0 grade for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and down graded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site.	Section-4 RCC & Structural Steel work - S.No.1 - M Grade is not mentioned whether it is M20, M30 etc...	<b>Agreed.</b> Concrete Grade (M30) is updated.	Yes. Please refer S.No. 11 of Addendum-1.
11	Price Bid, Section -5, S.No.4, Page 15 of 58	Providing and laying in position machine batched, machine mixed and machine vibrated design mix. Sulphate resistance cement concrete of Cu.m0 grade (using SRC) for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and down graded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site.	Section-5 Silt Pit - S.No.4 - M Grade is not mentioned whether it is M20, M30 etc....	<b>Agreed.</b> Concrete Grade (M30) is updated.	Yes, Please refer S.No. 12 of Addendum-1.
12	Price Bid, Section -7, S.No.4, Page 19 of 58	Providing and laying in position machine batched, machine mixed and machine vibrated design mix. Sulphate resistance cement concrete of CUM0 grade (using SRC) for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and down graded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site.	Section -7 Valve Chamber- S.No.4 - M Grade is not mentioned whether it is M20, M30 etc....	<b>Agreed.</b> Concrete Grade (M30) is updated.	Yes. Please refer S.No. 13 of Addendum-1.
13	Price Bid, Section -11, S.No.5, Page 30 of 58	Providing and laying in position machine batched, machine mixed and machine vibrated design mix. sulphate resistant cement concrete of Cu.m0 grade (using SRC) for reinforced cement concrete structural elements under controlled water cement ratio with plasticiser using 20mm and down graded machine broken granite stone jelly excluding the cost of centering and shuttering and reinforcement but including curing, etc. as per standard specification and as directed at site.	Section-11 Underground Sump - S.No.5 - M Grade is not mentioned whether it is M20, M30 etc....	<b>Agreed.</b> Concrete Grade (M30) is updated.	Yes. Please refer S.No. 15 of Addendum-1.

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For Chennai Metro Rail Ltd

Chief General Manager (UG-C)