

**ADDENDUM NO. 1: CONTRACT – UG-TVS(R) - PART DESIGN BASED ON ACCEPTED DEFINITIVE DESIGN, DETAIL ENGINEERING, MANUFACTURE, SUPPLY, DELIVERY AND STORAGE AT SITE, INSTALLATION, TESTING AND COMMISSIONING (INCLUDING INTEGRATED TESTING & COMMISSIONING), TRAINING OF PERSONNEL, DEMONSTRATION OF PERFORMANCE OF SYSTEM / EQUIPMENT AND ANNUAL MAINTENANCE CONTRACT OF TUNNEL VENTILATION SYSTEM FOR UNDERGROUND SECTION OF KOLKATA METRO EAST-WEST LINE PROJECT**

**Date: 7<sup>th</sup> March 2017.**

SL NO.	Points for Consideration	Original Clause	Addendum Clause			
1.	NIT point 5, Key details	<b>Replies to Queries from Bidders</b> <b>28<sup>th</sup> October 2016</b>	<b>Replies to Queries from Bidders</b> 7 <sup>th</sup> March 2017			
2.	NIT point 5, Key details	<b>Date &amp; Time of Submission of Tender</b> 15.00 Hours on 28 <sup>th</sup> November 2016	15.00 Hours on 10.04.2017			
3.	NIT point 5, Key details	<b>Date &amp; Time of Opening of Tender</b>  15.00 Hours on 28 <sup>th</sup> November 2016	15.30 Hours on 10.04.2017			
4.	Vol 1, Instruction to Tenderers and Annexures, C 2.6	C 2.6  The Form of Tender shall be completed and signed by a duly authorised and empowered representative of the Tenderer. If the Tenderer comprises a consortium or a joint venture the Form of Tender shall be signed by the Representative authorized in the Joint Venture, and  Consortium to act on behalf of them. Signatures on the Form of Tender shall be witnessed and dated. Copies of relevant powers of attorney shall be attached. The Form of Tender shall be submitted on Rupees 100/- Stamp Paper.	C 2.6  The Form of Tender shall be completed and signed by a duly authorised and empowered representative of the Tenderer. If the Tenderer comprises a consortium or a joint venture the Form of Tender shall be signed by the Representative authorized in the Joint Venture, and Consortium to act on behalf of them. Signatures on the Form of Tender shall be witnessed and dated. Copies of relevant powers of attorney shall be attached.			
5.	Vol 1, Instruction to Tenderers and Annexures, C 19.2, 19.3 & 19.4	C 19.2  If the Tenderer comprises a consortium or joint venture, a parent company of each member or participant will be required to execute the Undertakings and Guarantees.  C 19.3  Forms of the above documents are given in the Schedules to the Special Conditions of Contract.  C 19.4  The Tenderer shall note that all Guarantees shall be executed prior to signing of the Contract.	C 19.2  Not Used.  C 19.3  Not Used  C 19.4  Not Used			
6.	Vol 2, Eligibility Criteria, GCC, SCC  1.11.1	T <sub>10</sub>  At least One TVS Project work for at least for 2 U/G stations for Rail Transit systems of not less than INR 320 Million during last 10 years ending 31.03.2016	T <sub>10</sub>  a) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of Tunnel Ventilation System of large infrastructure projects/ U/G works completed in last 15 years of any of the following value:-  (i) One work of 4.0km Tunnel for MRT/ Railways/ Highway and above  or (ii) Two (02) works of 2.5km tunnel for MRT/ Railways/ Highway each and above  or			

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	<p>Vol 2, Eligibility Criteria, GCC, SCC</p> <p>BASIS OF EVALUATION</p>	<p>T<sub>10</sub></p> <p>At least One work of design, manufacture, supply, installation, testing, commissioning of Tunnel Ventilation System each with at least 2 U/G Stations for Rail Transit systems of at least value of <b>INR 320 Million</b> completed during last 10 years (Q.17d).</p> <p style="text-align: center;"> <math>\geq 1</math> = <b>PASS</b>  <math>&lt; 1</math> = <b>FAIL</b> </p>	<p>(iii) Three (03) works of 1.5km tunnel for MRT/ Railways/ Highway each and above</p> <p>T<sub>10</sub></p> <p>Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of Tunnel Ventilation System of large infrastructure projects/ U/G works completed in last 15 years of any of the following value: (Q.17d).</p> <p>i)_One work of 4.0 km Tunnel for MRT/ Railways/ Highway and above = <b>PASS</b> <b>Or</b></p> <p>ii)_Two (02) works of 2.5 km tunnel for MRT/ Railways/ Highway each and above = <b>PASS</b> <b>Or</b></p> <p>iii)_Three (03) works of 1.5km tunnel for MRT/ Railways/ Highway each and above = <b>PASS</b></p>		
7.	<p>Vol 2, Eligibility Criteria, GCC, SCC</p> <p>1.11.1</p>	<p>T<sub>12</sub></p> <p>At least one work completed of Supply and Installation work of fire rated equipment with 250 °C for two hr. with at least 2 U/G stations during last 10 years ending 31.03.2016</p>	<p>T<sub>12</sub></p> <p>a) Electrical Systems for MRTS/ Railway/ Airports/ large infrastructure projects.</p> <p>b) Design Validation, Installation, Testing and Commissioning of TVS System by Experienced firm.</p> <p>c) Control &amp; Monitoring of TVS System of large infrastructure projects/ U/G works.</p>		

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	<p>Vol 2, Eligibility Criteria, GCC, SCC</p> <p>BASIS OF EVALUATION</p>	<p>T<sub>12</sub></p> <p>At least one work completed to Supply, Installation, Testing and Commissioning of Fire Rated Equipment rated with 250 deg. C for two hour, executed (at least for 2 U/G Stations) during last 10 years. (refer Q. 17e )</p> <p>&gt; 1 works = PASS</p> <p>&lt; 1 work= FAIL</p> <p><b>17d.</b></p> <p><b>Has the Tenderer executed</b></p> <p>(a) Design, Supply, Installation and Commissioning of at least one Tunnel Ventilation System Works with 2 U/G stations for Rail Transit System of amount Rs. 320 Million and above completed during last 10 years ending 31.03.2016.</p> <p style="text-align: center;"><input type="checkbox"/> Y    <input type="checkbox"/> N</p>	<p>T<sub>12</sub></p> <p>a) Electrical Systems for MRTS/ Railway/ Airports/ large infrastructure projects.</p> <p>b) Design Validation, Installation, Testing and Commissioning of TVS System by Experienced firm.</p> <p>c) Control &amp; Monitoring of TVS System of large infrastructure projects/ U/G works.</p> <p>&gt; 1 works of (a)+(b)+(c) = PASS</p> <p>&lt; 1 work of (a)+(b)+(c) = FAIL</p> <p><b>17d.</b></p> <p><b>Has the Tenderer executed</b></p> <p>a) Detail Engineering, Manufacture, Supply, Installation, Testing and commissioning of Tunnel Ventilation System of large infrastructure projects/ U/G works completed in last 15 years of any of the following value:-</p> <p>(i) One work of 4.0 km Tunnel for MRT/ Railways/ Highway and above</p> <p>or</p> <p>(ii) Two (02) works of 2.5 km tunnel for MRT/ Railways/ Highway each and above</p> <p>or</p> <p>(iii) Three (03) works of 1.5km tunnel for MRT/ Railways/ Highway each and above</p> <p style="text-align: center;"><input type="checkbox"/> Y    <input type="checkbox"/> N</p>		
	<p>Vol 2, Eligibility Criteria, GCC, SCC</p> <p>PRO-FORMA SECTION 3</p>	<p>17e.</p> <p>Has the Tenderer during last ten years ending 31.03.2016, executed</p> <p>Supply, Installation, Testing and commissioning works related to Fire rated Equipment rated for 250 DegC for two hour or more executed In at least one project with 2 UG stations.</p>	<p>17e.</p> <p>Has the Tenderer during last ten years ending 31.03.2016, executed</p> <p>a) Electrical Systems for MRTS/ Railway/ Airports/ large</p>		

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	Vol 2, Eligibility Criteria, GCC, SCC  PRO-FORMA SECTION 3	<p style="text-align: center;"><input type="checkbox"/> Y    <input type="checkbox"/> N</p> <p>If yes, give details (in case of a group, this information is to be given for each member) Give reference of the work as submitted in Annexure 1 in reply to Question 17(e) and shall also give the reference of submitted supported completion certificate from the client.</p>	<p>infrastructure projects.</p> <p>b) Design Validation, Installation, Testing and Commissioning of TVS System by Experienced firm.</p> <p>c) Control &amp; Monitoring of TVS System of large infrastructure projects/ U/G works.</p> <p style="text-align: center;"><input type="checkbox"/> Y    <input type="checkbox"/> N</p> <p>If yes, give details (in case of a group, this information is to be given for each member) Give reference of the work as submitted in Annexure 1 in reply to Question 17(e) and shall also give the reference of submitted supported completion certificate from the client.</p>																		
8	Vol 3(Part 1), Employers Requirement Specification, 48.2.2.b	The cable shall be of LSZH type (Low smoke zero halogen) to withstand a minimum temperature of 950 deg C for 3 hours fire rating complying to BS:6387 and with a life expectancy in excess of 100 years.	The cable shall be of LSZH type (Low smoke zero halogen) to withstand a minimum temperature of 950 deg C for 3 hours fire rating complying to BS:6387 and with a life expectancy in excess of 30 years.																		
9.	Vol 3(Part 1), Employers Requirement Specification, 46.4.2	The service life of the TVS SCADA shall not be less than 15 years. Service life shall be counted from the commencement date of Defects Liability Period.  The service life of the TVS SCADA shall be for 5 years beyond AMC period.	The service life of the TVS SCADA shall not be less than 15 years. Service life shall be counted from the commencement date of Defects Liability Period.																		
10.	Vol 3(Part 1), Employers Requirement Specification, DATA SHEET FOR OVER TRACK EXHAUST FAN	<table border="1"> <tr> <th colspan="2">DATA SHEET FOR OVER TRACK EXHAUST FANS</th> </tr> <tr> <td>Type-</td> <td>Tubular Tube Axial Flow with short casing</td> </tr> <tr> <td>Reference Code / Standard</td> <td>BS EN ISO 9001</td> </tr> <tr> <td>Capacity</td> <td>2 x 30 m<sup>3</sup>/s for each platform</td> </tr> </table>	DATA SHEET FOR OVER TRACK EXHAUST FANS		Type-	Tubular Tube Axial Flow with short casing	Reference Code / Standard	BS EN ISO 9001	Capacity	2 x 30 m <sup>3</sup> /s for each platform	<table border="1"> <tr> <th colspan="2">DATA SHEET FOR OVER TRACK EXHAUST FANS</th> </tr> <tr> <td>Type-</td> <td>Tubular Tube Axial Flow with short casing</td> </tr> <tr> <td>Reference Code / Standard</td> <td>BS EN ISO 9001</td> </tr> <tr> <td>Capacity</td> <td>2 x 30 m<sup>3</sup>/s for each platform</td> </tr> </table>	DATA SHEET FOR OVER TRACK EXHAUST FANS		Type-	Tubular Tube Axial Flow with short casing	Reference Code / Standard	BS EN ISO 9001	Capacity	2 x 30 m <sup>3</sup> /s for each platform		
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		Quantity	4 Nos.		Quantity	4 Nos.			
		Flow Direction	Unidirectional (Extract)		Flow Direction	Unidirectional (Extract)			
		Total Pressure	1550 Pascal		Total Pressure	1550 Pascal			
		Noise Criteria	Refer to Notes		Noise Criteria	Refer to Notes			
		High Temperature Operation	2 Hours @ 250 °C		High Temperature Operation	2 Hours @ 250 °C			
	<b>FAN</b>	Blade	Aerofoil Construction, Statically and Dynamically Balanced, Adjustable		Blade	Aerofoil Construction, Statically and Dynamically Balanced, Adjustable			
		Material	Cast Aluminum		Material	Cast Aluminum			
		Bearings	Roller Lubrication Type		Bearings	Roller Lubrication Type			
		Hub	Cast Aluminum		Hub	Cast Aluminum			
		Casing	Rolled Steel Sheet, Heavy Gauge		Casing	Rolled Steel Sheet, Heavy Gauge			
		Shaft	Impeller mounted on motor shaft		Shaft	Impeller mounted on motor shaft			
		Mounting	Shaft Key And Positive Locking Device		Mounting	Shaft Key And Positive Locking Device			
		Drive Arrangement	Direct Drive		Drive Arrangement	Direct Drive			
	<b>Motor</b>	Type	TEFC IP55 Induction Motor, Continuous Duty, Non overloading		Type	TEFC IP55 Induction Motor, Continuous Duty, Non overloading			
		Design	As Per NEMA – Design B		Design	As Per NEMA – Design B			
		Connection	Three Phase, 415 V, 50 Hz, AC Power Supply		Connection	Three Phase, 415 V, 50 Hz, AC Power Supply			
		Type of Starting	Through Variable Speed Drive (This supersedes On-Off control indicated in the attached Tunnel Ventilation Report)		Type of Starting	Through Variable Speed Drive (This supersedes On-Off control indicated in the attached Tunnel Ventilation Report)			
	Paint	Epoxy Paint, After Surface Treatment For Corrosion		Paint	Epoxy Paint, After Surface Treatment For Corrosion				
	Fire Rated Enclosure	Fire rated demountable enclosure is required only on fan and not on attenuator and transition piece.		Fire Rated Enclosure	█				
	<b>Attenuator</b>	Type	Square, Rectangular Flange Type		Type	Square, Rectangular Flange Type			
		High Temperature Operation	Two Hours @ 250 °C		High Temperature Operation	Two Hours @ 250 °C			
					<b>Noise Attenuator</b>	Construction	To Comply with DW 144 Class B Code		

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		<p><b>Notes</b></p> <p>1) <i>Pressure drops to be verified by Contractor based on final equipment offered.</i></p> <p>2) <i>Length of noise attenuator to be determined by the Contractor based on the equipment offered</i></p> <p><i>and the following:</i></p> <p><i>Tunnel noise criteria is 80 dB(A) during operation of tunnel ventilation equipment.</i></p> <p><i>Platform noise criteria is 75 dB(A) during operation of tunnel ventilation equipment.</i></p> <p><i>Tunnel Ventilation Room Noise criteria is 85 dB(A)</i></p>	<p><b>Notes</b></p> <p>1) <i>Pressure drops to be verified by Contractor based on final equipment offered.</i></p> <p>2) <i>Length of noise attenuator to be determined by the Contractor based on the equipment offered</i></p> <p><i>and the following:</i></p> <p><i>Tunnel noise criteria is 80 dB(A) during operation of tunnel ventilation equipment.</i></p> <p><i>Platform noise criteria is 75 dB(A) during operation of tunnel ventilation equipment.</i></p> <p><i>Tunnel Ventilation Room Noise criteria is 85 dB(A) during operation of tunnel ventilation equipment.</i></p>																																				

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		<p>during operation of tunnel ventilation equipment.</p> <p>External noise criteria is 55 dB(A)at nearest property line during operation of tunnel ventilation equipment.</p> <p>3) The fans shall be as per specifications enclosed. All accessories mentioned in specifications shall be included in the tender.</p> <p>4) Vender shall furnish following data with his offer</p> <p>i) Fan performance curve for direction of rotation</p> <p>ii) Dimensional Sheets</p> <p>iii) Fan Data Sheets</p> <p>iv) Fan sound power levels for complete octave band for forward &amp; reverse direction.</p>	<p>External noise criteria is 55 dB(A)at nearest property line during operation of tunnel ventilation equipment.</p> <p>3) The fans shall be as per specifications enclosed. All accessories mentioned in specifications shall be included in the tender.</p> <p>4) Vender shall furnish following data with his offer</p> <p>i) Fan performance curve for direction of rotation</p> <p>ii) Dimensional Sheets</p> <p>iii) Fan Data Sheets</p> <p>iv) Fan sound power levels for complete octave band for forward &amp; reverse direction.</p>																		
11.	Vol 3(Part 1), Employers Requirement Specification, DATA SHEET FOR UNDER PLATFORM SUPPLY FAN	<p><b>DATA SHEET FOR UNDER PLATFORM SUPPLY FAN</b></p> <table border="1"> <tr> <td>Type-</td> <td>Tubular Tube Axial Flow with short casing</td> </tr> <tr> <td>Reference Code / Standard</td> <td>BS EN ISO 9001</td> </tr> <tr> <td>Capacity</td> <td>2 x 20 m<sup>3</sup>/s for each Platform</td> </tr> <tr> <td>Quantity</td> <td>4 Nos. Each Station</td> </tr> </table>	Type-	Tubular Tube Axial Flow with short casing	Reference Code / Standard	BS EN ISO 9001	Capacity	2 x 20 m <sup>3</sup> /s for each Platform	Quantity	4 Nos. Each Station	<p><b>DATA SHEET FOR UNDER PLATFORM SUPPLY FAN</b></p> <table border="1"> <tr> <td>Type-</td> <td>Tubular Tube Axial Flow with short casing</td> </tr> <tr> <td>Reference Code / Standard</td> <td>BS EN ISO 9001</td> </tr> <tr> <td>Capacity</td> <td>2 x 20 m<sup>3</sup>/s for each Platform</td> </tr> <tr> <td>Quantity</td> <td>4 Nos. Each Station</td> </tr> </table>	Type-	Tubular Tube Axial Flow with short casing	Reference Code / Standard	BS EN ISO 9001	Capacity	2 x 20 m <sup>3</sup> /s for each Platform	Quantity	4 Nos. Each Station		
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		Flow Direction	Unidirectional ( Supply )		Flow Direction	Unidirectional ( Supply )		
		Total Pressure	1000 Pascal		Total Pressure	1000 Pascal		
		Noise Criteria	Refer to Notes		Noise Criteria	Refer to Notes		
		High Temperature Operation	2 Hour @ 250 °C		High Temperature Operation	-		
	<b>FAN</b>	Blade	Aerofoil Construction, Statically and Dynamically Balanced, Adjustable		Blade	Aerofoil Construction, Statically and Dynamically Balanced, Adjustable		
		Material	Cast Aluminum		Material	Cast Aluminum		
		Bearings	Roller Lubrication Type		Bearings	Roller Lubrication Type		
		Hub	Cast Aluminum		Hub	Cast Aluminum		
		Casing	Rolled Steel Sheet, Heavy Gauge		Casing	Rolled Steel Sheet, Heavy Gauge		
		Shaft	Impeller mounted on motor shaft		Shaft	Impeller mounted on motor shaft		
		Mounting	Shaft Key And Positive Locking Device		Mounting	Shaft Key And Positive Locking Device		
		Drive Arrangement	Direct Drive		Drive Arrangement	Direct Drive		
	<b>Motor</b>	Type	TEFC IP55 Induction Motor, Continuous Duty, Non overloading		Type	TEFC IP55 Induction Motor, Continuous Duty, Non overloading		
		Design	As Per NEMA – Design B		Design	As Per NEMA – Design B		
		Connection	Three Phase, 415 V, 50 Hz, AC Power Supply		Connection	Three Phase, 415 V, 50 Hz, AC Power Supply		
		Type of Starting	Through Variable Speed Drive (This supersedes On-Off control indicated in the attached TVS Report)		Type of Starting	Through Variable Speed Drive (This supersedes On-Off control indicated in the attached TVS Report)		
		Paint	Epoxy Paint, After Surface Treatment For Corrosion		Paint	Epoxy Paint, After Surface Treatment For Corrosion		
		Fire Rated Enclosure	Fire rated demountable enclosure is required only on fan and not on attenuator and transition piece.		Fire Rated Enclosure	Fire rated demountable enclosure is required only on fan and not on attenuator and transition piece.		
	<b>NoiseAttenuator</b>	Type	Square, Rectangular Flange Type		Type	Square, Rectangular Flange Type		
		High Temperature Operation	2 Hour @ 250 °C		High Temperature Operation	-		



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		<table border="1"> <tr> <td>Construction</td> <td>To Comply with DW 144 Class B Code</td> </tr> <tr> <td>Casing</td> <td>1.6mm thick Pre GSS Confirming To BS EN 10142 1991</td> </tr> <tr> <td>Casing Material</td> <td>GSS Confirming To BS 2889 Grade Z 2 G 275</td> </tr> <tr> <td>Acoustic Fill</td> <td>Fiber Glass With DETR Class 'O' Flame Spread</td> </tr> <tr> <td>Internal</td> <td>0.8mm thick Perforated SS-316</td> </tr> <tr> <td>Splitters</td> <td>0.8mm thick Perforated SS-316</td> </tr> <tr> <td>Mounting Arrangement</td> <td>Suitable Bracket For Ceiling Suspension</td> </tr> <tr> <td>Lifting Arrangement</td> <td>Lifting Eye At Suitable Location And Number</td> </tr> <tr> <td colspan="2">Casings To Be Formed With Either stand Up Or Lock Formed Seams With Mastic Sealant</td> </tr> </table> <p><b>Notes</b></p> <p>1) <i>Pressure drops to be verified by Contractor based on final equipment offered.</i></p> <p>2) <i>Length of noise attenuator to be determined by the Contractor based on the equipment offered and the following:</i></p> <p><i>Tunnel noise criteria is 80 dB(A) during operation of tunnel ventilation equipment.</i></p> <p><i>Platform noise criteria is 75 dB(A) during operation of tunnel ventilation equipment.</i></p> <p><i>Tunnel Ventilation Room Noise criteria is 85 dB(A) during operation of tunnel ventilation equipment.</i></p> <p><i>External noise criteria is 55 dB(A)at nearest property line during operation of tunnel ventilation equipment.</i></p>	Construction	To Comply with DW 144 Class B Code	Casing	1.6mm thick Pre GSS Confirming To BS EN 10142 1991	Casing Material	GSS Confirming To BS 2889 Grade Z 2 G 275	Acoustic Fill	Fiber Glass With DETR Class 'O' Flame Spread	Internal	0.8mm thick Perforated SS-316	Splitters	0.8mm thick Perforated SS-316	Mounting Arrangement	Suitable Bracket For Ceiling Suspension	Lifting Arrangement	Lifting Eye At Suitable Location And Number	Casings To Be Formed With Either stand Up Or Lock Formed Seams With Mastic Sealant				
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		<p>3) <i>The fans shall be as per specifications enclosed. All accessories mentioned in specifications shall be included in the tender.</i></p> <p>4) <i>Vender shall furnish following data with his offer</i></p> <p>i) <i>Fan performance curve for direction of rotation</i></p> <p>ii) <i>Dimensional Sheets</i></p> <p>iii) <i>Fan Data Sheets</i></p> <p>iv) <i>Fan sound power levels for complete octave band for forward direction.</i></p>	<p>3) <i>The fans shall be as per specifications enclosed. All accessories mentioned in specifications shall be included in the tender.</i></p> <p>4) <i>Vender shall furnish following data with his offer</i></p> <p>i) <i>Fan performance curve for direction of rotation</i></p> <p>ii) <i>Dimensional Sheets</i></p> <p>iii) <i>Fan Data Sheets</i></p> <p>iv) <i>Fan sound power levels for complete octave band for forward direction.</i></p>		
12.	<p>Vol 3(Part 1), Employers Requirement Specification, Clause 4, Work Included in the Service</p> <p>And</p> <p>Vol 1, ITT, Annexure 2, REQUIREMENTS FOR TENDERER'S TECHNICAL PROPOSALS</p>	<p>A TVS design report (volume-4) is given along with this tender. The report was finalised by a design consultant based on old alignment. The alignment has undergone a change and a tentative drawing showing the original alignment and the detour portion is also enclosed in the tender document volume-4. A revised SES report for the revised alignment shall be given to the tenderer after award of contract which needs to be validated by the contractor. At this stage, it is necessary for the tenderer to take into account the revised alignment and ascertain the equipment ratings and associated information given in the tender document and also re-confirm the same at their end during tender submission stage itself. After award of contract, any augmentation of equipment ratings and consequential changes required to meet the performance obligation of the contract shall be at the cost of the tenderer.</p>	<p>A TVS design report (volume-4) is given along with this tender. The report was finalised by a design consultant based on old alignment. The alignment has undergone a change and a tentative drawing showing the original alignment and the detour portion is also enclosed in the tender document volume-4. A revised SES report for the revised alignment &amp; CFD shall be given to the successful tenderer after award of contract which may need to be validated by the contractor.</p>		
13.	<p>Vol 1, Instruction to Tenderers and Annexures, A 1.6</p>	<p>The Contractor shall be responsible for carrying out developing key design information keeping in view the projected traffic volume (for East-West Corridor). The Contractor shall also carry out Integrated Testing and Commissioning of Tunnel Ventilation System in co-ordination with Designated Contractors, under the supervision of the Engineer. He shall also carry out all statutory tests and trials necessary for obtaining sanction of the Competent Authority for opening the Tunnel Ventilation System for public carriage of passengers and provide assistance and information as required by the appropriate statutory authorities in India.</p>	<p>The Contractor shall also carry out Integrated Testing and Commissioning of Tunnel Ventilation System in co-ordination with Designated Contractors, under the supervision of the Engineer. He shall also carry out all statutory tests and trials necessary for obtaining sanction of the Competent Authority for opening the Tunnel Ventilation System for public carriage of passengers and provide assistance and information as required by the appropriate statutory authorities in India.</p>		
14.	<p>Vol 1, PREPARATION OF TENDERS, C</p>	<p>The Tenderer shall submit with his Tender a Tender Security for the sum mentioned in Appendix 1 to the Form of Tender in the form of an irrevocable bank guarantee issued by a Scheduled Commercial</p>	<p>The Tenderer shall submit with his Tender a Tender Security for the sum mentioned in Appendix 1 to the Form of Tender in the form of an irrevocable bank guarantee issued by a Scheduled Commercial Bank in</p>		

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	18.1	Bank in India or from a Schedule Foreign Bank as defined in Section 2(e) of RBI Act 1934 read with 2nd Schedule in the form given in Annexure 3 to the Instruction to Tenderers. The Bank Guarantee shall be in the name of the “JV or Consortium”. In the case where the Tenderer is a JV or consortium, the Bank Guarantee for Tender Security shall be from JV or Consortium and not from individual members except that a local member of the JV or Consortium is permitted to furnish the tender Security with an assurance from the other JV or Consortium members to back such a Security. The Tender Security shall be submitted in a sealed envelope clearly marked on top “Tender Security for Contract –UG/TVS(R).” The Tender Security shall remain valid for a period of 28 days beyond the validity period for the Tender and including extension periods.	India or from a Schedule Foreign Bank as defined in Section 2(e) of RBI Act 1934 read with 2nd Schedule in the form given in Annexure 3 to the Instruction to Tenderers. Any member of the JV or Consortium is permitted to furnish the tender Security with an assurance from the other JV or Consortium members to back such a Security. The Tender Security shall be submitted in a sealed envelope clearly marked on top “Tender Security for Contract –UG/TVS(R).” The Tender Security shall remain valid for a period of 28 days beyond the validity period for the Tender and including extension periods.		
15.	Vol 3, Eligibility Criteria Evaluation, ANNEXURE - 3	<p><b>Notes</b></p> <ul style="list-style-type: none"> <li>➤ # - Assume 5% escalation for Indian Rupee and 2% for foreign currency per year upto 31st Mar. 2015.</li> <li>➤ * - The escalated foreign currency value needs to be converted into rupee equivalent for FY 2010-11, 11-12, 12-13 and 13-14 by using by using the exchange rate prevalent on 31st Mar.2015.</li> <li>➤ This information should be extracted from the audited Annual financial statements.</li> <li>➤ The information to be duly certified and signed by the qualified Chartered Accountant.</li> <li>➤ For financial year 2015-16 the information should be duly certified by Board of directors or Company Secretary or equivalent.</li> </ul>	<p><b>Notes</b></p> <ul style="list-style-type: none"> <li>➤ # - Assume 5% escalation for Indian Rupee and 2% for foreign currency per year upto 31st Mar. 2015.</li> <li>➤ * - The escalated foreign currency value needs to be converted into rupee equivalent for FY 2010-11, 11-12, 12-13 and 13-14 by using by using the exchange rate prevalent on 31st Mar.2015.</li> <li>➤ This information should be extracted from the audited Annual financial statements.</li> <li>➤ The information to be duly certified and signed by the qualified Chartered Accountant.</li> <li>➤ For financial year 2015-16 the information should be duly certified by Board of directors or Company Secretary or equivalent if not duly audited, certified &amp; signed by qualified Chartered Accountant.</li> </ul>		
16.	Vol 2, SCC 57. Additional Clause: BOCW (Building and Other Construction Works)		Bidders need to judge the applicability of BOCW for the work. Any liabilities on account of BOCW at any stage shall be on part of bidder and the quoted price shall be inclusive of BOCW charges. If same is not applicable, the bidder needs to submit required undertaking/certificates. The Employer shall make the deduction accordingly and deposit the amount to the concerned authorities.		
17.	Last date of Tender submission		10.04.2017		
18.	Vol 2, GCC 1.5 & SCC Schedule 1	Priority of Documents  The documents forming the Contract are to be taken as mutually explanatory of one another. If there is an ambiguity or discrepancy	Priority of Documents  The documents forming the Contract are to be taken as mutually explanatory of one another. If there is an ambiguity or discrepancy in		

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	CONTRACT AGREEMENT 1.1 Contract Documents (Reference GCC Clause 1.4).	in the documents, the Engineer shall issue any necessary clarification or instruction to the Contractor, and the priority of the documents shall be unless otherwise specified in the Special Conditions of Contract, as follows: (a) Contract Agreement; (b) Letter of Acceptance; (c) Tender NIT and ITT, Form of Tender (FOT) with Appendix 1&Priced; Appendix 2 to FOT; (d) Pricing Document; (e) General Specification; (f) Employer 's Requirements; (g) Special Conditions of Contract including Schedules; (h) General Conditions of Contract; (i) Tunnel Ventilation Report and drawings; (j) Safety, Health and Environment (SHE) Manual; (k) Contractor's Proposal ; and (l) Approved Subcontractors' List (m) [Any other documents shall be added here];	the documents, the Engineer shall issue any necessary clarification or instruction to the Contractor, and the priority of the documents shall be unless otherwise specified in the Special Conditions of Contract, as follows: (a) Contract Agreement; (b) Letter of Acceptance; (c) Tender Addendum & Corrigendum (d) Tender NIT and ITT, Form of Tender (FOT) with Appendix 1 & Priced; Appendix 2 to FOT; (e) Pricing Document; (f) Employer 's Requirements; (g) General Specification; (h) Special Conditions of Contract including Schedules; (i) General Conditions of Contract; (j) Report and drawings; (k) Safety, Health and Environment (SHE) Manual; (l) Contractor's Proposal ; and (m) Approved Subcontractors' List (n) [Any other documents shall be added here];		
19.	Vol2, GCC 11.6, Retention Money	Five percent (5%) amount towards retention money shall be paid after taking over of the whole works. There shall be no deduction from any running bills towards retention money.	Retention money equal to 10% of the amount due to the contractor from each on account payment will be retained, so as to maintain a reserve in the hands of Employer equal to 5% of the contract price.  The retention money shall be held by the Employer and no interest of whatsoever nature and type will be payable by the Employer in respect of retention money.  The full amount of the retention money shall become due to the contractor on the date of issue of taking over certificate.		
20.	Vol2, SCC 9, Retention Money	Retention Money Not Used	Not Used		
21.	Vol6, Appendix E, Payment Schedule for Tunnel Ventilation System	<b>APPENDIX E</b> <b><u>PAYMENT SCHEDULE (FROM APPENDIX A)</u></b>		<b>APPENDIX E</b> <b><u>PAYMENT SCHEDULE (FROM APPENDIX A)</u></b>	
		Description	Allowable Cost	Description	Allowable Cost

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			Schedule X (100%= Cost A1 to A6, Excluding Spares in Appendix G)	Schedule Y (Compr ising Cost B1 to B6)			Schedule X (100%= Cost A1 to A6, Excluding Spares in Appendix G)	Schedule Y (Comprising Cost B1 to B6)	
			%	%			%	%	
		E1	Mobilisation Payment (Non-Recoverable)	10 %	-	E1	Mobilisation Payment (Non-Recoverable)	10 %	-
		E2	Preliminaries and General Requirements for TVS System and Design of TVS System and TVS SCADA System	3%	-	E2	Preliminaries and General Requirements for TVS System and Design of TVS System and TVS SCADA System	3%	-
		E3	Concept & Preliminary Design based on accepted design	6%	-	E3	Concept & Preliminary Design based on accepted design	6%	-
		E4	Detailed Design based on accepted design	6%	-	E4	Detailed Design based on accepted design	6%	-
		E5	Manufacture, Factory Testing, Inspection, Test Running, Marine Insurance (if applicable) for Shipping to Port in India and transit Insurance from Port in India to Site (if applicable) and Storage at Site.	60%	-	E5	Manufacture, Factory Testing, Inspection, Test Running, Marine Insurance (if applicable) for Shipping to Port in India and transit Insurance from Port in India to Site (if applicable) and Storage at Site.	65%	-
		E6	Inland transportation/delivery of manufactured items within India including handling charges at port of India and/or at Site, and all other incidental costs, receipt of equipments at Site, necessary installation at site.	10%	-	E6	Inland transportation/delivery of manufactured items within India including handling charges at port of India and/or at Site, and all other incidental costs, receipt of equipments at Site, necessary installation at site.	10%	-
			<b>Sub Total 1</b>	<b>95%</b>	<b>-</b>		<b>Sub Total 1</b>	<b>100%</b>	<b>-</b>
		E7	Pre-Installation tests, inspection of equipment and Site preparations, Installation, post Installation Inspection and	-	15%	E7	Pre-Installation tests, inspection of equipment and Site preparations, Installation, post Installation Inspection and Partial Acceptance Testing.	-	15%

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22.	Vol6, Appendix E5, Payment Schedule	<b>APPENDIX E5 PAYMENT SCHEDULE</b>	<b>APPENDIX E5 PAYMENT SCHEDULE</b>																																																											

<b><u>E5 –MANUFACTURE, FACTORY TESTING, INSPECTION, TEST RUNNING, MARINE INSURANCE AND SHIPPING TO PORT IN INDIA AND TRANSIT INSURANCE FROM PORT IN INDIA TO SITE AND STORAGE AT SITE FOR TVS AND TVS SCADA SYSTEM AND DESIGN OF TVS AND TVS SCADA SYSTEM – COST</u></b>				<b><u>E5 –MANUFACTURE, FACTORY TESTING, INSPECTION, TEST RUNNING, MARINE INSURANCE AND SHIPPING TO PORT IN INDIA AND TRANSIT INSURANCE FROM PORT IN INDIA TO SITE AND STORAGE AT SITE FOR TVS AND TVS SCADA SYSTEM –COST</u></b>			
Cost Center	Description	Weeks From NTP	Percentage for Sub-Items	Cost Center	Description	Weeks From NTP	Percentage for Sub-Items
	Obtain Notice of No Objection from the Employer's Representative for supply of Tunnel Ventilation System at site for the following Stations / Locations ::				Obtain Notice of No Objection from the Employer's Representative for supply of Tunnel Ventilation System at site for the following Stations / Locations ::		
E5.1	Phool Bagan Station (Phase-I)	67	6.5%	E5.1	Phool Bagan Station (Phase-I)	67	7%
E5.2	Ventilation shaft at Sealdah Cross over and Seladah Station East End (Phase-I)	67	6.5%	E5.2	Ventilation shaft at Sealdah Cross over and Seladah Station East End (Phase-I)	67	7%
E5.3	Sealdah Station West End (Phase-I)	140	5.5%	E5.3	Sealdah Station West End (Phase-I)	140	6%
E5.4	Ventilation shaft at Subodh Mullick Square (Phase-II)	140	5.0%	E5.4	Ventilation shaft at Subodh Mullick Square (Phase-II)	140	5.5%
E5.5	Esplanade Station (Phase-II)	140	6.5%	E5.5	Esplanade Station (Phase-II)	140	7%
E5.6	Mahakaran Station (Phase-II)	140	6.5%	E5.6	Mahakaran Station (Phase-II)	140	7%
E5.7	Ventilation shaft at Strand Road (Phase-II)	140	5.0%	E5.7	Ventilation shaft at Strand Road (Phase-II)	140	5.5%
E5.8	Howrah Station (Phase-II)	140	6.5%	E5.8	Howrah Station (Phase-II)	140	7%
E5.9	Howrah Maidan Station (Phase-II)	140	6.5%	E5.9	Howrah Maidan Station (Phase-II)	140	7%
E5.10	TVS SCADA works at Station and OCC	67	5.5%	E5.10	TVS SCADA works at Station and OCC	67	6%
				<b>Total for Cost Centre E5      65.00%</b>			

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		<table border="1"> <tr> <td style="text-align: center;"><b>Total for Cost Centre E5</b></td> <td style="text-align: center;"><b>60.00%</b></td> </tr> </table> <p><b>Notes:</b></p> <p>1. All % payments as indicated are calculated on the lump sum cost of Cost A1 to A6 of Appendix A</p> <p style="text-align: center;">SIGNATURE OF TENDERER</p>	<b>Total for Cost Centre E5</b>	<b>60.00%</b>	<p><b>Notes:</b></p> <p>1. All % payments as indicated are calculated on the lump sum cost of Cost A1 to A6 of Appendix A</p> <p style="text-align: center;">SIGNATURE OF TENDERER</p>														
<b>Total for Cost Centre E5</b>	<b>60.00%</b>																		
23.	Vol6, Appendix E8, Payment Schedule	<p style="text-align: center;"><b>APPENDIX E8</b> <b>TERMS OF PAYMENT</b></p> <p style="text-align: center;"><b><u>E8 – INSTALLATION WITH COMPLETE FIXING &amp; WIRING, SYSTEM ACCEPTENCE TESTING, INTERFACE WITH ISMS, INTEGRATED TESTING, COMMISSIONING; OPERATIONAL ACCEPTANCE TESTING AND DEMONSTATION OF THE PERFORMANCE OF THE TVS SYSTEM AND SERVICE</u></b></p> <table border="1"> <thead> <tr> <th rowspan="2">Deliverables Number</th> <th rowspan="2"></th> <th>Percentage for Sub-Items</th> </tr> <tr> <th>%</th> </tr> </thead> <tbody> <tr> <td></td> <td>                     Obtain the "Notice of No Objection" or "Notice of No Objection Subject to ____" from the Engineer after:                      Installation of TVS Equipments at site;                      * Obtaining certificate of satisfactory completion of functional tests and working the TVS equipments in the Site for;                      * Completion of Integrated Testing and Commissioning in the Site;                      * Safety Certification, in the approved format, for Tunnel Ventilation Systems ;                      * Detailed Safety Report including the safety features and safety standards of the Tunnel Ventilation Systems.                      * Service Trials:                      * Guarantee Tests to obtain the operational acceptance Certificate.                 </td> <td></td> </tr> </tbody> </table>	Deliverables Number		Percentage for Sub-Items	%		Obtain the "Notice of No Objection" or "Notice of No Objection Subject to ____" from the Engineer after: Installation of TVS Equipments at site; * Obtaining certificate of satisfactory completion of functional tests and working the TVS equipments in the Site for; * Completion of Integrated Testing and Commissioning in the Site; * Safety Certification, in the approved format, for Tunnel Ventilation Systems ; * Detailed Safety Report including the safety features and safety standards of the Tunnel Ventilation Systems. * Service Trials: * Guarantee Tests to obtain the operational acceptance Certificate.		<p style="text-align: center;"><b>APPENDIX E8</b> <b>TERMS OF PAYMENT</b></p> <p style="text-align: center;"><b><u>E8 – INSTALLATION WITH COMPLETE FIXING &amp; WIRING, SYSTEM ACCEPTENCE TESTING, INTERFACE WITH ISMS, INTEGRATED TESTING, COMMISSIONING; OPERATIONAL ACCEPTANCE TESTING AND DEMONSTATION OF THE PERFORMANCE OF THE TVS SYSTEM AND SERVICE</u></b></p> <table border="1"> <thead> <tr> <th rowspan="2">Deliverables Number</th> <th rowspan="2"></th> <th>Percentage for Sub-Items</th> </tr> <tr> <th>%</th> </tr> </thead> <tbody> <tr> <td></td> <td>                     Obtain the "Notice of No Objection" or "Notice of No Objection Subject to ____" from the Engineer after:                      Installation of TVS Equipments at site;                      * Obtaining certificate of satisfactory completion of functional tests and working the TVS equipments in the Site for;                      * Completion of Integrated Testing and Commissioning in the Site;                      * Safety Certification, in the approved format, for Tunnel Ventilation Systems ;                      * Detailed Safety Report including the safety features and safety standards of the Tunnel Ventilation Systems.                      * Service Trials:                      * Guarantee Tests to obtain the operational acceptance Certificate.                 </td> <td></td> </tr> </tbody> </table>	Deliverables Number		Percentage for Sub-Items	%		Obtain the "Notice of No Objection" or "Notice of No Objection Subject to ____" from the Engineer after: Installation of TVS Equipments at site; * Obtaining certificate of satisfactory completion of functional tests and working the TVS equipments in the Site for; * Completion of Integrated Testing and Commissioning in the Site; * Safety Certification, in the approved format, for Tunnel Ventilation Systems ; * Detailed Safety Report including the safety features and safety standards of the Tunnel Ventilation Systems. * Service Trials: * Guarantee Tests to obtain the operational acceptance Certificate.			
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	Tenderer, Page ECR/5	T2A - Net Worth (last Two Years ending 2014-15), Positive	T2A - Net Worth (last Two Years ending 2015-16), Positive		
26.	Vol2, 1.11.1, Instruction to Tenderer, Page ECR/6	<p><u>III – Experience Record</u></p> <p><u>T9 - INR 400 Million, Average Annual Turn-over during last 5 years ending 31.03.2015</u></p>	<p><u>III – Experience Record</u></p> <p><u>T9 - INR 400 Million, Average Annual Turn-over during last 5 years ending 31.03.2016</u></p>		
27.	Vol2, 1.13, Instruction to Tenderer, Page ECR/6	Financial data for foreign Tenderers- Foreign Tenderers, in whose country calendar year is also the financial year, may submit all asked relevant data for their corresponding financial year in place of Indian financial year. For eg- data may be submitted for their financial year 2014 in place of Indian financial year 2014-15.	Financial data for foreign tenderers- Foreign Tenderers, in whose country calendar year is also the financial year, may submit all asked relevant data for their corresponding financial year in place of Indian financial year. For eg- data may be submitted for their financial year 2015 in place of Indian financial year 2015-16.		
28.	Vol2, , Pro-forma - Section 5, Page ECR/9	<p><u>CONTENT OF EACH SECTION</u></p> <p>Documents relating to the financial condition of an tenderer (or, in the case of a group, each constituent member)</p> <p><u>REMARKS</u></p> <p>The following documents should be submitted in respect of each constituent, whether applying individually or as part of a group:</p> <ol style="list-style-type: none"> <li>1. Audited accounts for each of the last five full accounting periods together with their Auditor's Certificate. Such accounts shall include the Profit and Loss statement and the Balance Sheet. The Tenderer also shall indicate the year wise Net Worth of each member for the previous five years i.e. 2010-11,2011-12,2012-13,2013-14, 2014-15.</li> <li>2. A financial statement covering the period between the end of the last full accounting period 2014-15. This statement should indicate all significant financial matters subsequent to the end of the last full accounting period. Additionally, the financial statement should indicate any significant off balance sheet liabilities, including contingent liabilities. The financial statement should be signed by the Managing Director or Company Secretary of the respective company.</li> </ol>	<p><u>CONTENT OF EACH SECTION</u></p> <p>Documents relating to the financial condition of an tenderer (or, in the case of a group, each constituent member)</p> <p><u>REMARKS</u></p> <p>The following documents should be submitted in respect of each constituent, whether applying individually or as part of a group:</p> <ol style="list-style-type: none"> <li>1. Audited accounts for each of the last five full accounting periods together with their Auditor's Certificate. Such accounts shall include the Profit and Loss statement and the Balance Sheet. The Tenderer also shall indicate the year wise Net Worth of each member for the previous five years i.e. 2011-12,2012-13,2013-14, 2014-15, 2015-16.</li> </ol>		

29.	Vol2, , Joint Venture Consortium Summary, Page ECR/14	APPLICATION FORM (2a) PAGE ___ OF ___ PAGES	APPLICATION FORM (2a) PAGE ___ OF ___ PAGES																																																															
		<b>Joint Venture/ Consortium Summary</b>	<b>Joint Venture/ Consortium Summary</b>																																																															
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30.	Vol2, PRO-FORMA SECTION 3, Page ECR/22	<p>17c.</p> <p>Annual financial turnover of the Tenderer / members in case of JV/Consortium, Year-wise Ending 31.03.2015 for the last 5 years.</p> <p>Annual financial Turnover (in terms of rupee equivalent adjusted to 31.03.15 by assuming 5% escalation for Indian Rupee and 2% for foreign currency per year) pertaining to the Company.</p> <p>Turnover of each member of the Consortium will be considered. This particular Annexure shall be extracted from Annual Report and certified by the Chartered Accountants.</p> <p>Name of the Tenderer (Members in case of group)</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Foreign Currency ( )</th> <th>INR</th> <th>Rupee equivalent of Foreign Currency - INR(Escalated cost)(Exchange rate as on 31<sup>st</sup> March 2015)</th> </tr> </thead> <tbody> <tr> <td>2010-11</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2011-12</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2012-13</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2013-14</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2014-15</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Year	Foreign Currency ( )	INR	Rupee equivalent of Foreign Currency - INR(Escalated cost)(Exchange rate as on 31 <sup>st</sup> March 2015)	2010-11				2011-12				2012-13				2013-14				2014-15				<p>17c.</p> <p>Annual financial turnover of the tenderer / members in case of JV/Consortium, Year-wise Ending 31.03.2016 for the last 5 years.</p> <p>Annual financial Turnover (in terms of rupee equivalent adjusted to 31.03.16 by assuming 5% escalation for Indian Rupee and 2% for foreign currency per year) pertaining to the Company.</p> <p>Turnover of each member of the Consortium will be considered. This particular Annexure shall be extracted from Annual Report and certified by the Chartered Accountants.</p> <p>Name of the tenderer (Members in case of group)</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Foreign Currency ( )</th> <th>INR</th> <th>Rupee equivalent of Foreign Currency + INR (Escalated cost)(Exchange rate as on 31<sup>st</sup> March 2016)</th> </tr> </thead> <tbody> <tr> <td>2011-12</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2012-13</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2013-14</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2014-15</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2015-16</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Year	Foreign Currency ( )	INR	Rupee equivalent of Foreign Currency + INR (Escalated cost)(Exchange rate as on 31 <sup>st</sup> March 2016)	2011-12				2012-13				2013-14				2014-15				2015-16												
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Date: 7<sup>th</sup> March 2017.

		Total (Including Escalation)				Total (Including Escalation)					
		Average of the 5 years (in rupee equivalent)				Average of the 5 years (in rupee equivalent)					
31.	Vol2, , ANNEXURE 1, Page ECR/24	Contract Value as on 31.03.15 prices in Rupee equivalent, assuming 5% inflation for Indian Rupees and 2% for foreign currency portion every year. Only the value of contract as executed by the Tenderer / member in his own name should be indicated. Where a work is undertaken by a Group, only that portion of the Contract which is undertaken by the concerned Tenderer / member should be included and the remaining done by the other members of the Group excluded.				Contract Value as on 31.03.16 prices in Rupee equivalent, assuming 5% inflation for Indian Rupees and 2% for foreign currency portion every year. Only the value of contract as executed by the tenderer / member in his own name should be indicated. Where a work is undertaken by a Group, only that portion of the Contract which is undertaken by the concerned tenderer / member should be included and the remaining done by the other members of the Group excluded.					

**ANNEXURE 3**

Sl. No.	Financial Information in Rupee Equivalent	Actual for Previous five years ending 2015-2016														
		Financial Year 2011-12			Financial Year 2012-13			Financial Year 2013-14			Financial Year 2014-15			Financial Year 2015-16		
		In Respective currencies	Escalated value in respective currencies <sup>#</sup>	Rupee equivalent*	In Respective currencies	Escalated value in respective currencies <sup>#</sup>	Rupee equivalent*	In Respective currencies	Escalated value in respective currencies <sup>#</sup>	Rupee equivalent*	In Respective currencies	Escalated value in respective currencies <sup>#</sup>	Rupee equivalent*	In Respective currencies	Rupee equivalent*	
1	<b>Total Assets</b>															
2.	<b>Current Assets</b>															
3.	<b>Loans &amp; Advances</b>															
4.	<b>Total Liabilities</b>															
5.	<b>Current Liabilities</b>															
6.	<b>Provision</b>															
7.	<b>Profit before interest and tax</b>															
8.	<b>Profit before tax and after interest</b>															
9.	<b>Profit After Tax</b>															
10.	<b>Net worth</b>															
11.	<b>Total Debt (including Current Liabilities ) / Total Equity (including Preference Capital)</b>															

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**Notes**

- # - Assume 5% escalation for Indian Rupee and 2% for foreign currency per year upto 31st Mar. 2016.
- \* - The escalated foreign currency value needs to be converted into rupee equivalent for FY 2011-12,12-13,13-14 and 14-15 by using by using the exchange rate prevalent on 31st Mar.2016.
- This information should be extracted from the audited Annual financial statements.
- The information to be duly certified and signed by the qualified Chartered Accountant. **Reference to the Section(s) and page(s) of the Audited Annual Accounts of the Company for the respective Year(s) may be provided below the Tabular information and certified by the Chartered Accountant.**

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33.

APPENDIX A BASE TENDER TOTAL

To be completed and submitted by the Tenderer as part of Appendix FT-2 to the Form of Tender

The fixed Lump Sum Price (inclusive of levies, tax, Cess and insurance, etc. payable) of this Contract for Tunnel Ventilation System is the total of **Schedule 'X' and Schedule 'Y'**.

Indian Rupees (in words): \_\_\_\_\_

\_\_\_\_\_

Foreign Currency (in words): \_\_\_\_\_

\_\_\_\_\_

**SUMMARY OF COSTS**

Schedule	Description of Cost centres under schedule	Cost		Cost Indian Rupees
		(A1)	(A2)	
	<b>PHASE-I</b>			
X1	Total of Appendix X1 = (A1+A2A+A2B)			
	Total of Appendix G1.1+G2.1+G3.1+G4.1+G5.1+G6.1			
Y1	Total of Schedule Y1 = B1+B2A+B2B			
	Total for AMC(D1.1)			
<b>TOTAL</b>	<b>PHASE-I = All Cost Centres (Schedule X1 + Schedule Y1)</b>			
	<b>PHASE-II</b>			
X2	Total of Appendix X1 = (A3+A4+A5+A6)			
	Total of Appendix G1.2+G2.2+G3.2+G4.2+G5.2+G6.2			
Y2	Total of Schedule Y2 = B3+B4+B5+B6			
	Total for AMC(D1.2)			
<b>TOTAL</b>	<b>PHASE-II = All Cost Centres (Schedule X2 + Schedule Y2)</b>			
<b>GRAND TOTAL</b>	<b>PHASE-I and PHASE-II = All Cost Centres (Schedule X + Schedule Y) (X=X1+X2 and Y = Y1 + Y2)</b>			



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**Note:**

***CWWC and TDS will not be deducted on Supply Schedule 'X'***

SIGNATURE OF TENDERER

**ADDENDUM NO. 1: CONTRACT – UG-TVS(R) - PART DESIGN BASED ON ACCEPTED DEFINITIVE DESIGN, DETAIL ENGINEERING, MANUFACTURE, SUPPLY, DELIVERY AND STORAGE AT SITE, INSTALLATION, TESTING AND COMMISSIONING (INCLUDING INTEGRATED TESTING & COMMISSIONING), TRAINING OF PERSONNEL, DEMONSTRATION OF PERFORMANCE OF SYSTEM / EQUIPMENT AND ANNUAL MAINTENANCE CONTRACT OF TUNNEL VENTILATION SYSTEM FOR UNDERGROUND SECTION OF KOLKATA METRO EAST-WEST LINE PROJECT**

34.

**APPENDIX C**

**DETAILS OF TAXES / LEVIES, ETC. INCLUDED IN THE FIXED LUMP SUM PRICE (APPENDIX A) (COST CENTRE WISE)**

(Refer to Paragraph A of Part I, Instructions for Completing the Pricing Document)

COST CENTER	TAXES, LEVIES, ETC.														TOTAL AMOUNT OF ALL TAXES / LEVIES / CESS  (8)=sum of (1) to (7)
	BASIC CUSTOM DUTY		ANY OTHER CUSTOM RELATED DUTIES		EXCISE DUTY		CST/VAT		OCTROI/ENTRY TAX		INSURANCE		ANY OTHER TAX/LEVY/CESS		
	(1)		(2)		(3)		(4)		(5)		(6)		(7)		
	Rate (%)	Amount	Rate (%)	Amount	Rate (%)	Amount	Rate (%)	Amount	Rate (%)	Amount	Rate (%)	Amount	Rate (%)	Amount	
A1 to A6															
B1 to B6															
GA1 To GA6															
D1.1															
D1.2															

**Notes:**

1. The Tenderer to give in his Tender offer the following:
  - (a) Basic Custom duty on assemblies/components that go in the manufacture of TVS equipment, if any along with rate.
  - (b) All other Custom related duties on assemblies/components that go in the manufacture of TVS equipment, if any along with rates.
  - (c) Excise duty on completely assembled / manufactured TVS equipment, if any along with rate of Excise duty.
  - (d) Custom duty on imported spares, Jigs, fixtures, special tools and diagnostic equipments etc. forming part of Cost Centre –G along with rate of Custom duty.
  - (e) Excise duties on spares, Jigs, fixtures, special tools and diagnostic equipments etc. forming part of Cost Centre –G along with rate of Excise duty.
  - (f) VAT on the completely assembled/manufactured equipment.

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- (g) VAT on the indigenous finished Spares, Jigs, Fixtures, Special tools and Testing and Diagnostic equipments, etc. forming part of Cost Centre G along with rate.
  - (h) Octroi/Entry Tax (if any).
  - (i) Other levies/ Cess, etc. as applicable and paid.
  - (j) All types of insurances.
  - (k) The Tenderer shall provide details with reference to the respective rules when completing Column (7).
2. The rates inserted in this table shall be made due reference to the relevant clauses of the Taxes in the General and Special Conditions of Contract and shall be fixed as of 28 days prior to the opening of the tender for tender evaluation purpose.
  3. The rates inserted in this table shall only be considered for payment on actual basis unless otherwise stated elsewhere in the document and it shall be based on the submission of the original documentation.
  4. All Taxes / Levies should be in INR only and are subject to ceiling of the amounts indicated in the above Table

SIGNATURE OF TENDERER

Chief Electrical Engineer, KMRCL