

CORRIGENDUM – 2

Dated 07 Jul 15

NAME OF CONTRACT : Design, Manufacture, Supply, Installation, Testing and commissioning of Platform Screen Gates (PSG) system

Tender No : KMRL/SYS/PSG/05/2015

SI No	Part No / Document / Section	Clause / Sub Clause	Current Text in Tender document				Modified Text			
01	Part I/ Section I / Instructions to Bidders	43					New Clause added.			
02	Part I/ Pricing Document /	Appendix B	MS Section Miscellaneous				MS Section Miscellaneous			
			Cost Centres	Description of Cost Centres	Foreign Currency	Indian Rupees	Cost Centres	Description of Cost Centres	Foreign Currency	Indian Rupees
			A	Training			A	Training		
			B	Spares, Special Tools, Testing Equipment and Measuring Instruments, DLP support			B	Spares, Special Tools, Testing Equipment and Measuring Instruments, DLP support		
			C	Supervision of Maintenance			C	Comprehensive Annual maintenance		
			D	Manuals			D	Manuals		
			Section Total carried to Bid Total					Section Total carried to Bid Total		
03	Part I/ Pricing Document /	Appendix E / Cost Centre A	COST CENTRE A: Training				COST CENTRE A: Training			
			Milestone No.	Work Description Milestone Activity	Apportioned Amount Foreign Currency Indian Rupees		Milestone No.	Work Description Milestone Activity	Apportioned Amount Foreign Currency Indian Rupees	
				Obtain the “Notice of No Objection” or “Notice of No Objection Subject to ---“ from the Employer’s Representative for:				Obtain the “Notice of No Objection” or “Notice of No Objection Subject to ---“ from the Employer’s Representative for:		
			A1	Training of Employer’s personnel (2 man-months) overseas in Contractor / Sub-Contractor’s Works and MRTS. (Number of Trainees as per Employer’s discretion)			A1	Deleted		
			A2	Delivery of on-line Training Equipment and Software Development Systems as stipulated in the Works Requirements at locations in Kochi			A2	Delivery of on-line Training Equipment and Software Development Systems as stipulated in the Works Requirements at locations in Kochi		
			A3	Provision of Contractor’s Instructors (8 man-months) for training of Employer’s Operating & Maintenance personnel in India. (Number of Trainees as per Employer’s discretion)			A3	Provision of Contractor’s Instructors (2 man-months) for training of Employer’s Operating & Maintenance personnel in India. (Number of Trainees as per Employer’s discretion)		
			A4	Submission of Training Manuals (Original plus five hard copies) and in electronic format.			A4	Submission of Training Manuals (Original plus five hard copies) and in electronic format.		
			A5	Any other item(s) necessary to comply with the Scope of Work.			A5	Any other item(s) necessary to comply with the Scope of Work.		
			Cost Centre Total Carried to Section MS Summary					Cost Centre Total Carried to Section MS Summary		

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04	Part I/ Pricing Document /	Appendix E / Cost Centre C	<p>COST CENTRE C: Supervision of Maintenance</p> <div><p>This Cost Centre comprises supervision of maintenance of PSG systems.</p><ul style="list-style-type: none">- The Contractor shall provide experts for supervision of maintenance* in accordance with the Works Requirements<p>* This excludes Contractor’s obligations and responsibilities during the Defects Liability Period.</p><p>Note: The deployment of the experts under this Cost Centre may not be continuous and they may be required to supervise the maintenance in short periods at a time. The number of man-months of experts shall, however, not exceed 36 man-months. Payment for this Cost Centre will be made on man-month basis.</p></div>	<p>COST CENTRE C: <u>Comprehensive Annual Maintenance</u></p> <div><p>This Cost Centre comprises <u>comprehensive Annual maintenance</u> of PSG systems.</p><ul style="list-style-type: none">- <u>The Contractor shall provide comprehensive annual maintenance in accordance with the Works Requirements</u></div>																																																										
05	Part I/ Pricing Document /	Appendix E / Cost Centre C	<p>COST CENTRE C: Supervision of Maintenance</p> <table><tr><th rowspan="2">Milestone ne No.</th><th>Work Description</th><th colspan="2">Apportioned Amount</th></tr><tr><th>Milestone Activity</th><th>Foreign Currency</th><th>Indian Rupees</th></tr><tr><td></td><td>Obtain the “Notice of No Objection” or “Notice of No Objection Subject to ---“ from the Employer’s Representative for completion of the following in accordance with the Employer’s Requirements:</td><td></td><td></td></tr><tr><td>C1</td><td>Supervision of Maintenance*</td><td></td><td></td></tr><tr><td></td><td>*This excludes Contractor’s obligations and responsibilities during the Defects Liability Period.</td><td></td><td></td></tr><tr><td colspan="2">Cost Centre Total Carried to Section MS Summary</td><td></td><td></td></tr></table>	Milestone ne No.	Work Description	Apportioned Amount		Milestone Activity	Foreign Currency	Indian Rupees		Obtain the “Notice of No Objection” or “Notice of No Objection Subject to ---“ from the Employer’s Representative for completion of the following in accordance with the Employer’s Requirements:			C1	Supervision of Maintenance*				*This excludes Contractor’s obligations and responsibilities during the Defects Liability Period.			Cost Centre Total Carried to Section MS Summary				<p>COST CENTRE C: <u>Comprehensive Annual Maintenance</u></p> <table><tr><th rowspan="2">Milestone ne No.</th><th>Work Description</th><th colspan="2">Apportioned Amount</th></tr><tr><th>Milestone Activity</th><th>Foreign Currency</th><th>Indian Rupees</th></tr><tr><td></td><td>Obtain the “Notice of No Objection” or “Notice of No Objection Subject to ---“ from the Employer’s Representative for completion of the following in accordance with the Employer’s Requirements:</td><td></td><td></td></tr><tr><td>C1</td><td><u>Comprehensive Annual Maintenance – First Year</u></td><td></td><td></td></tr><tr><td>C2</td><td><u>Comprehensive Annual Maintenance – Second Year</u></td><td></td><td></td></tr><tr><td>C3</td><td><u>Comprehensive Annual Maintenance – Third Year</u></td><td></td><td></td></tr><tr><td>C4</td><td><u>Comprehensive Annual Maintenance – Fourth Year</u></td><td></td><td></td></tr><tr><td>C5</td><td><u>Comprehensive Annual Maintenance – Fifth Year</u></td><td></td><td></td></tr><tr><td colspan="2">Cost Centre Total Carried to Section MS Summary</td><td></td><td></td></tr></table> <p>Note : Comprehensive Annual Maintenance</p> <ol style="list-style-type: none">Price for AMC shall be quoted only in INRNo escalation is permitted for quoted PriceComprehensive Annual Maintenance shall cover DLP for year first and second.Yearwise Quoted price for Year three, four and fifth shall be sameYearwise Quoted price for Year first and second shall be sameQuoted price for Year first and second shall not be greater than 30% of third year price quote.Service tax need not be included. It will be paid extra, if applicable.The AMC will be paid within 15 days at the end of each month, in equal instalment, on satisfactory completion of works and on submission of invoice.	Milestone ne No.	Work Description	Apportioned Amount		Milestone Activity	Foreign Currency	Indian Rupees		Obtain the “Notice of No Objection” or “Notice of No Objection Subject to ---“ from the Employer’s Representative for completion of the following in accordance with the Employer’s Requirements:			C1	<u>Comprehensive Annual Maintenance – First Year</u>			C2	<u>Comprehensive Annual Maintenance – Second Year</u>			C3	<u>Comprehensive Annual Maintenance – Third Year</u>			C4	<u>Comprehensive Annual Maintenance – Fourth Year</u>			C5	<u>Comprehensive Annual Maintenance – Fifth Year</u>			Cost Centre Total Carried to Section MS Summary			
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06	Part I/ Pricing Document /	Appendix F / Schedule 7 : Miscellaneous	<p>Schedule 7: Miscellaneous</p> <table><tr><th>Item No.</th><th>Description</th><th>Unit</th><th>Qty</th><th>Unit Rate (FC)</th><th>Price (FC)</th><th>Unit Rate (INR)</th><th>Price (INR)</th></tr><tr><td>7.1</td><td>Supply of special tools and test equipment (including but not limited to test bench for PSG in workshop, GCU test</td><td>LS</td><td></td><td></td><td></td><td></td><td></td></tr></table>	Item No.	Description	Unit	Qty	Unit Rate (FC)	Price (FC)	Unit Rate (INR)	Price (INR)	7.1	Supply of special tools and test equipment (including but not limited to test bench for PSG in workshop, GCU test	LS						<p>Schedule 7: Miscellaneous</p> <table><tr><th>Item No.</th><th>Description</th><th>Unit</th><th>Qty</th><th>Unit Rate (FC)</th><th>Price (FC)</th><th>Unit Rate (INR)</th><th>Price (INR)</th></tr><tr><td>7.1</td><td>Supply of special tools and test equipment (including but not limited to test bench for PSG in workshop, GCU</td><td>LS</td><td></td><td></td><td></td><td></td><td></td></tr></table>	Item No.	Description	Unit	Qty	Unit Rate (FC)	Price (FC)	Unit Rate (INR)	Price (INR)	7.1	Supply of special tools and test equipment (including but not limited to test bench for PSG in workshop, GCU	LS																															
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				bench, 2 nos. diagnostic note book etc.)							test bench, 2 nos. diagnostic note book etc.)					
			7.2	Supply of contract spares as per Appendix B of Technical Specifications						7.2	Supply of contract spares as per Appendix B of Technical Specifications					
			7.3	As built drawing						7.3	As built drawing					
			7.4	Supervision of maintenance	Man - month	36				7.4	Deleted					
			7.5	Defect liability period support for PSG system	Month	24				7.5	Defect liability period support for PSG system	Month	24			
			7.6	Training Offshore	Man - months	8				7.6	Deleted					
			7.7	Training Onshore	Man - months	8				7.7	Training Onshore	Man-months	2			
			7.8	TOT for PSG system						7.8	TOT for PSG system					
			7.9	False Flooring of PSG Equipment Room	m2					7.9	False Flooring of PSG Equipment Room	m2				
			7.10	Any other item necessary for meeting the contract requirements						7.10	Any other item necessary for meeting the contract requirements					
				Schedule total carried to Summary							Schedule total carried to Summary					
07	Part II/ Section VII / Works Requirements – General Specification	2.21.1	<p>Employer is in the process of implementing an Enterprise wide cloud based IT system project titled “Integrated Project Management Platform”. The objective of the IT project is to develop a working environment that enables higher efficiency and effectiveness, not only in internal functions, but also across the entire ecosystem of the Employer including Contractors. The IT project envisaged following application stack:</p> <p>(a) Scheduling services using Oracle Primavera P6 Enterprise Project Portfolio Management (EPPM) or equivalent (b) Progress and performance reporting using Oracle BI Publisher or equivalent (c) Document control services using Oracle Primavera Unifier, AutoVue or equivalent</p>							<p>Employer is in the process of implementing an Enterprise wide cloud based IT system project titled “Integrated Project Management Platform”. The objective of the IT project is to develop a working environment that enables higher efficiency and effectiveness, not only in internal functions, but also across the entire ecosystem of the Employer including Contractors.</p>						
08	Part II/ Section VII / Works Requirements – General Specification	2.21.2	<p>The proposed IT system has been designed for facilitating preservation of important artifacts (plans, drawings, notes, documents, reports etc.) in a secure and manageable environment in digitized format. Appropriate triggers shall generate dashboards and management reports every time an event causes a substantial shift in the project risk or a deviation in processes is developed. The envisaged system would expedite decision-making, ensure better planning and coordination between different functions, better data management, effective reporting, knowledge management etc. Program management shall provide senior management with critical information related to various contracts, activities and funds in the form of management dashboards with inbuilt triggers to ensure timely decision-making.</p>							Clause Deleted.						

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09	Part II/ Section VII / Works Requirements – General Specification	2.21.3	<p>The effective use of such IT platform requires availability of front end of web-based system at all requisite locations i.e. with Employers’ various offices, Engineer’s offices, Contractors’ end, major sub-contractors’ end, design consultant ends etc. with certain definite users’ rights. Data uploading by various authorized and trained users is key to effective implementation of the IT system. Employer has recognized this aspect, and the Contractors are required to consider in their proposal the cost of software licenses and IT staff for data uploading as under:</p> <table><tr><th></th><th>Contract value</th><th colspan="4">User licenses (below or equivalent software packages)</th><th>IT staff</th></tr><tr><th></th><th></th><th>P6</th><th>Unifier</th><th>BI Pub</th><th>Auto Vue</th><th></th></tr><tr><td>1</td><td>Rs 25 to Rs 50 crore</td><td>1</td><td>1</td><td>1</td><td>1</td><td>1 (one)</td></tr><tr><td>2</td><td>Rs 50 crore to Rs 100 crore</td><td>1</td><td>3</td><td>1</td><td>3</td><td>1 (one)</td></tr><tr><td>3</td><td>Rs 100 crore to Rs 250 crore</td><td>3</td><td>5</td><td>1</td><td>5</td><td>2 (two)</td></tr><tr><td>4</td><td>Rs 250 crore to Rs 400 crore</td><td>3</td><td>8</td><td>2</td><td>8</td><td>4 (two)</td></tr><tr><td>5</td><td>Rs 400 crore and above</td><td>3</td><td>10</td><td>2</td><td>10</td><td>5 (two)</td></tr></table>		Contract value	User licenses (below or equivalent software packages)				IT staff			P6	Unifier	BI Pub	Auto Vue		1	Rs 25 to Rs 50 crore	1	1	1	1	1 (one)	2	Rs 50 crore to Rs 100 crore	1	3	1	3	1 (one)	3	Rs 100 crore to Rs 250 crore	3	5	1	5	2 (two)	4	Rs 250 crore to Rs 400 crore	3	8	2	8	4 (two)	5	Rs 400 crore and above	3	10	2	10	5 (two)	Clause Deleted.
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5	Rs 400 crore and above	3	10	2	10	5 (two)																																															
10	Part II/ Section VII / Works Requirements – General Specification	2.21.4	<p>In view of the above, the Contractor shall be required to:</p> <p>(a) Upload / definition of Project Plans as per the template and using software defined by the Employer; (b) Maintenance and updating of uploaded Project Plans in software used by the Employer; (c) Upload of drawings / designs created by the Contractor as per the classification and on the software platform defined by the Employer; (d) Asset details need to be updated in the system in the format prescribed by the Employer;</p>	<p>In view of the above, the Contractor shall be required to:</p> <p>(a) Submit Project Plans as per the template defined by the Employer; (b) Maintenance and updating of uploaded Project Plans; (c) Submit drawings / designs created by the Contractor as per the classification; (d) Asset details needed in the format prescribed by the Employer;</p>																																																	
11	Part II/ Section VII / Works Requirements – General Specification	2.21.5	Employer, his IT Project Team and IT Implementation Contractor shall render necessary assistance (including providing trained IT staff with requisite skills at Contractor’s cost) and handhold the Contractor for usage of the IT system.	Clause Deleted.																																																	
12	Part II/ Section VII / Works Requirements – Technical Specification	11.8		New Clause Added.																																																	
13	Part II/ Section VII / Works Requirements – Technical Specification	12.4	<p>Offshore Training</p> <p>The Contractor shall submit a training programme for 8 Trainee man months for System in following areas.</p> <p>Table 12.1: Training of KMRL’s Personnel</p>	Clause Deleted.																																																	

SI No	Part No / Document / Section	Clause / Sub Clause	Current Text in Tender document			Modified Text
			SN	Description	Total period (Trainee man-months)	
			1	Design and construction features of fixed structures, drive systems bi-parting gates, gate drive control of PSG system	4	
			2	Design of system software System description, architecture of PSC computer, PSL and GCU	2	
			3	Operating personnel	1	
			4	Maintenance personnel	1	
			The Contractor shall provide duration of each training module for approval of the KMRL. Number of trainees shall be decided based on the proposed duration of each training module and the Trainee man months indicated above. All expenses on training except travel, loading and boarding expenses shall be on account of the Contractor as per provisions in General Specification. All other training requirements shall be as per the provisions of the General Specification			
14	Part II/ Section VII / Works Requirements – Technical Specification	12.5.3	The Contractor shall provide 8 Trainer Man months to train: (a) Operations staff; (b) Maintenance staff; (c) Training Instructors.			The Contractor shall provide <u>2 Trainer Man</u> months to train: (a) Operations staff; (b) Maintenance staff; (c) Training Instructors.
15	Part II/ Section VII / Works Requirements – Technical Specification	Appendix C				<u>Appendix Newly Added.</u> Comprehensive Annual Maintenance
16	Part II/ Section VII / Works Requirements – Technical Specification	Appendix D				<u>Appendix Newly Added.</u> Drawings and Layouts (Refer Pre-Bid Query and Clarification Sl. No. 27, 41, 46 and 48)
17	Part III/Conditions of Contract and Contract Forms / Section VIII / General Conditions	4.2 Performance Security	The Contractor shall obtain (at his cost) a Performance Security for proper performance, in the amount stated in the Contract Data and denominated in the currency(ies) of the Contract or in a freely convertible currency acceptable to the Employer. If an amount is not stated in the Contract Data, this Sub-Clause shall not apply. The Contractor shall deliver the Performance Security to the Employer within 28 days after receiving the Letter of Acceptance, and shall send a copy to the Engineer. The Performance Security shall be issued by a reputable bank or financial institution selected by the Contractor, and shall be in the form annexed to the Particular Conditions, as stipulated by the Employer in the Contract Data, or in another form approved by the Employer. The Contractor shall ensure that the Performance Security is valid and enforceable until the Contractor has executed and completed the Works and remedied any defects. If the terms of the Performance Security specify its expiry date, and the Contractor has not become entitled to receive the Performance Certificate by the date 28 days prior to the			The Contractor shall obtain (at his cost) a Performance Security for proper performance, in the amount stated in the Contract Data and denominated in the currency(ies) of the Contract or in a freely convertible currency acceptable to the Employer. If an amount is not stated in the Contract Data, this Sub-Clause shall not apply. The Contractor shall deliver the Performance Security to the Employer within 28 days after receiving the Letter of Acceptance, and shall send a copy to the Engineer. The Performance Security shall be issued by a reputable bank or financial institution selected by the Contractor, and shall be in the form annexed to the Particular Conditions, as stipulated by the Employer in the Contract Data, or in another form approved by the Employer. The Contractor shall ensure that the Performance Security is valid and enforceable until the Contractor has executed and completed the Works and remedied any defects. If the terms of the Performance Security specify its expiry date, and the Contractor has not become entitled to receive the Performance Certificate by the date 28 days prior to the expiry date, the Contractor shall extend the validity of the Performance Security until the Works have been completed and any defects have been remedied.

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			<p>expiry date, the Contractor shall extend the validity of the Performance Security until the Works have been completed and any defects have been remedied.</p> <p>The Employer shall not make a claim under the Performance Security, except for amounts to which the Employer is entitled under the Contract.</p> <p>The Employer shall indemnify and hold the Contractor harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from a claim under the Performance Security to the extent to which the Employer was not entitled to make the claim.</p> <p>The Employer shall return the Performance Security to the Contractor within 21 days after receiving a copy of the Performance Certificate.</p> <p>Without limitation to the provisions of the rest of this Sub-Clause, whenever the Engineer determines an addition or a reduction to the Contract Price as a result of a change in cost and/or legislation, or as a result of a Variation, amounting to more than 25 percent of the portion of the Contract Price payable in a specific currency, the Contractor shall at the Engineer's request promptly increase, or may decrease, as the case may be, the value of the Performance Security in that currency by an equal percentage.</p>	<p>The Employer shall not make a claim under the Performance Security, except for amounts to which the Employer is entitled under the Contract.</p> <p>The Employer shall indemnify and hold the Contractor harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from a claim under the Performance Security to the extent to which the Employer was not entitled to make the claim.</p> <p>The Employer shall return the part of Performance Security as stated in the contract data to the Contractor within 21 days after receiving a copy of the Performance Certificate. <u>Remaining part of Performance Security shall be returned to the Contractor within 21 days after completion of the comprehensive annual maintenance period of the last opened section.</u></p> <p>Without limitation to the provisions of the rest of this Sub-Clause, whenever the Engineer determines an addition or a reduction to the Contract Price as a result of a change in cost and/or legislation, or as a result of a Variation, amounting to more than 25 percent of the portion of the Contract Price payable in a specific currency, the Contractor shall at the Engineer's request promptly increase, or may decrease, as the case may be, the value of the Performance Security in that currency by an equal percentage.</p>
18	Part III/Conditions of Contract and Contract Forms / Section IX / Particular Conditions / Part A – Contract Data	4.2 Performance Security	<p>The performance security will be in the form of a <i>demand guarantee</i> in the amount(s) of 10 % (ten per cent) of the Accepted Contract Amount and in the same currency(ies) of the Accepted Contract Amount. The guarantee shall be sourced from an Indian scheduled bank, initially valid for 4 years and further extendable as per contract.</p>	<p>The performance security will be in the form of a <i>demand guarantee</i> in the amount(s) of 10 % (ten per cent) of the Accepted Contract Amount and in the same currency(ies) of the Accepted Contract Amount. The guarantee shall be sourced from an Indian scheduled bank, initially valid for 4 years and further extendable as per contract.</p> <p><u>After receiving a copy of the Performance Certificate, the employer shall return 50% of Performance Security amount to the Contractor. Remaining part of Performance Security shall be returned to the Contractor within 21 days after completion of the Comprehensive Annual Maintenance period of the last opened section.</u></p>