



Cochin Smart Mission Limited (CSML)

Cochin Smart Mission Limited
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CORRIGENDUM-7

TnD No.: CSML/ TND / 2018 /64 /118

Date: 04/12/2018

Tender Reference Number: CSML/Main Road/RFP/001 Date: 10-10-2018

Tender ID: 2018_KMRL_241719_1

- (1) Corrigendum-1: TnD No.: CSML/ TND / 2018 /64 /057 Date: 11/06/2018
- (2) Corrigendum-2: TnD No.: CSML/ TND / 2018 /64 /063 Date: 26/06/2018
- (3) Corrigendum-3: TnD No.: CSML/ TND / 2018 /64 /066 Date: 07/07/2018
- (4) Corrigendum-4: TnD No.: CSML/ TND / 2018 /64 /102 Date: 31/10/2018
- (5) Corrigendum-5: TnD No.: CSML/ TND / 2018 /64 /105 Date: 13/11/2018
- (6) Corrigendum-6: TnD No.: CSML/ TND / 2018 /64 /115 Date: 28/11/2018

Project Name: “Development of Smart Roads & Other Roads in Ernakulam under Smart City Mission”

SL NO	Page No	RFP Volume & Section	Earlier Clause	Revised Clause
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1	88	<p>Section III. Qualification Criteria</p> <p>1.3 Financial Requirements</p> <p>1.3 FINANCIAL SITUATION</p> <p>1.3.4 Bidding Capacity</p> <p>Criteria Requirement</p>	<p>Availability of Bidding Capacity should be at least equal to INR 122.00 CRORE</p> <p>Available bid capacity will be evaluated as under:</p> <p>Bidding capacity = $2 \times A \times N - B$</p> <p>Where</p> <p>A= maximum annual construction turnover in last five financial years taking into account the completed as well as works in progress</p> <p>(Updated to the current price level, rate of inflation shall be 10% per year).</p> <p>N= Number of years prescribed for completion of works (infrastructure component) for which bids has been invited which is 2 years for this bid.</p> <p>B= Value at current price level of existing commitments and ongoing works to be completed during the next 5 years. Bidders will give a calculation for the same.</p>	<p>Availability of Bidding Capacity should be at least equal to INR 122.00 CRORE</p> <p>Available bid capacity will be evaluated as under:</p> <p>Bidding capacity = $2 \times A \times N - B$</p> <p>Where</p> <p>A= maximum annual construction turnover in last five financial years taking into account the completed as well as works in progress</p> <p>(Updated to the current price level, rate of inflation shall be 10% per year).</p> <p>N= Number of years prescribed for completion of works (infrastructure component) for which bids has been invited which is 1.67 years for this bid.</p> <p>B= Value at current price level of existing commitments and ongoing works to be completed during the next 5 years. Bidders will give a calculation for the same.</p>
2	91 & 92	<p>Section III. Qualification Criteria</p> <p>1.4 Construction Experience</p> <p>1.4 EXPERIENCE</p>	<p>1.4.2 (a) Specific Experience (CIVIL)</p> <p>(a) Participation as contractor, management contractor, or subcontractor, in at least</p> <p>(i) One similar Civil infrastructure project work of contract value of at least INR 65.60 CRORE OR</p> <p>(ii) Two similar Civil infrastructure project</p>	<p>1.4.2 (a) Specific Experience</p> <p>(a) Participation as contractor, management contractor, or subcontractor, in at least</p> <p>(i) One similar infrastructure project work of contract value of at least INR 97.60 CRORE OR</p>

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		<p>1.4.2 (a) Specific Experience (CIVIL)</p> <p>Criteria Requirement</p>	<p>work of contract value of at least INR 41.00 CRORE OR</p> <p>(iii) Three similar Civil infrastructure project work of contract value of at least INR 32.80 CRORE</p> <p>within the last seven (7) years, that have been successfully or are *substantially (as detailed in Section IV) completed. I.e. (from 01st Oct'2011 to 30th Sept 2018) prior to the bid submission deadline,</p> <p>NOTE: Similar Civil infrastructure project implies, Road works for National highway / State Highway / Airports, construction of Underground Utility ducting and Stormwater drainage works, Electrical works, Power cabling, works</p>	<p>(ii) Two similar infrastructure project work of contract value of at least INR 61.00 CRORE OR</p> <p>(iii) Three similar infrastructure project work of contract value of at least INR 48.80 CRORE</p> <p>within the last seven (7) years, that have been successfully or are *substantially (as detailed in Section IV) completed. I.e. (from 01st Oct'2011 to 30th Sept 2018) prior to the bid submission deadline,</p> <p>NOTE: Similar infrastructure project implies, Road works for National Highway / State Highway / Major Roads / Other Roads / Airports / Bridges / construction of Underground Utility ducting and Stormwater drainage works, related Electrical works, Power cabling, works</p>
3	93 & 94	<p>Section III. Qualification Criteria</p> <p>1.4 Construction Experience</p> <p>1.4 EXPERIENCE</p> <p>1.4.2 (b) Specific Experience (ELECTRICAL)</p>	<p>1.4.2 (b) Specific Experience (ELECTRICAL)</p> <p>(a) Participation as contractor, management contractor, or subcontractor, in at least</p> <p>(i) One similar Electrical infrastructure (for Roads) project work of contract value of at least <u>INR 32.00 CRORE</u> OR</p> <p>(ii) Two similar Electrical infrastructure (for Roads) project work of contract value of at least <u>INR 20.00 CRORE</u> OR</p> <p>(iii) Three similar Electrical infrastructure (for Roads) project work of contract value of at least <u>INR 16.00 CRORE</u></p>	<p>This Clause stands deleted.</p>

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		<p>_within the last Seven (7) years, that have been successfully or are *substantially (as detailed in Section IV) completed. <i>ie. (from 01st Oct'2011 to 30th Sept 2018)</i> prior to the bid submission deadline,</p> <p>NOTE: For Electrical works, the bidder should possess a valid Electrical license</p> <p>Similar Electrical infrastructure (for Roads) project work implies, Electrical works (for roads) including power cabling covering following works</p> <p>(i) supply, Installation of HT(11 KV) and LT (415 Volts) overhead lines and transformers 500 /250 KVA Compact Substation / Customized Compact Substation RMU, Transformer and Low voltage panels, smart metres</p> <p>under grounding of HT, LT and data / telephone cables in RCC trench / HDPE ducts.</p>	
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4	95	<p>Section III. Qualification Criteria</p> <p>1.4 Construction Experience</p> <p>1.4 EXPERIENCE</p> <p>1.4.3 (c) Specific Experience (CIVIL)</p> <p>Criteria Requirement</p>	<p>1.4.3 (c) Specific Experience (CIVIL)</p> <p>(c) For the above or other contracts executed during the period stipulated in 1.4.2 (a) and (b) above, a minimum experience in the following key activities:</p> <p>Executed in any one year, the following minimum quantities of work (CIVIL);</p> <table border="1" data-bbox="642 602 1264 1206"> <thead> <tr> <th>Item of work</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>Earth work</td> <td>17175 Cum</td> </tr> <tr> <td>RCC M 20</td> <td>4972 Cum</td> </tr> <tr> <td>RCC M 25</td> <td>1949 Cum</td> </tr> <tr> <td>RCC Kerb item 14</td> <td>515 cum</td> </tr> <tr> <td>Tactile tile</td> <td>3282 Sqm</td> </tr> <tr> <td>60mm interlock PU mould Paver blocks M35 grade</td> <td>26320 Sqm</td> </tr> <tr> <td>WMM</td> <td>1362 Cum</td> </tr> <tr> <td>DBM</td> <td>1740 Cum</td> </tr> <tr> <td>BC</td> <td>1016 Cum</td> </tr> <tr> <td>100 mm thick interlocking tile M-40 grade</td> <td>5799 Sqm</td> </tr> <tr> <td>HYSD Steel</td> <td>574 MT</td> </tr> </tbody> </table>	Item of work	Quantity	Earth work	17175 Cum	RCC M 20	4972 Cum	RCC M 25	1949 Cum	RCC Kerb item 14	515 cum	Tactile tile	3282 Sqm	60mm interlock PU mould Paver blocks M35 grade	26320 Sqm	WMM	1362 Cum	DBM	1740 Cum	BC	1016 Cum	100 mm thick interlocking tile M-40 grade	5799 Sqm	HYSD Steel	574 MT	This clause stand deleted
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5	96	<p>Section III. Qualification Criteria</p> <p>1.4</p>	<p>1.4.3 (d) Specific Experience (ELECTRICAL)</p> <p>(d) For the above or other contracts executed during the period stipulated in 1.4.2 (a) and (b) above, a minimum experience in the following key activities:</p>	This Clause stands deleted.																								

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		<p>Construction Experience</p> <p>1.4 EXPERIENCE</p> <p>1.4.3 (d) Specific Experience (ELECTRICAL)</p>	<p>Executed in any one year, the following minimum quantities of work (ELECTRICAL) ;</p> <table border="1"> <thead> <tr> <th>Item of work</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>HT cable</td> <td>6600 m</td> </tr> <tr> <td>LT cables</td> <td>17100 m</td> </tr> <tr> <td>500KVA Compact substation transformer - 3 phase 500 KVA 11/0.433 KV</td> <td>6 set 3 No.'s</td> </tr> <tr> <td>Three Layer OD 160mm HDPE Power Duct</td> <td>1500 m</td> </tr> <tr> <td>11KV RMU</td> <td>29 No.'s</td> </tr> <tr> <td>REMOTE TERMINAL UNIT (RTU)</td> <td>30 No.'s</td> </tr> <tr> <td>Feeder pillar - Type 1 (Main feeder Pillar (OUT DOOR) TYPE IP-55)</td> <td>14 No.'s</td> </tr> <tr> <td>smart energy meters Single phase meter with MMB enclosure</td> <td>1800 No.'s</td> </tr> <tr> <td>smart energy meters Three phase meter with MMB enclosure</td> <td>1200 No.'s</td> </tr> <tr> <td>7-Way 40mm HDPE Multi-Way Duct</td> <td>600 m</td> </tr> </tbody> </table>	Item of work	Quantity	HT cable	6600 m	LT cables	17100 m	500KVA Compact substation transformer - 3 phase 500 KVA 11/0.433 KV	6 set 3 No.'s	Three Layer OD 160mm HDPE Power Duct	1500 m	11KV RMU	29 No.'s	REMOTE TERMINAL UNIT (RTU)	30 No.'s	Feeder pillar - Type 1 (Main feeder Pillar (OUT DOOR) TYPE IP-55)	14 No.'s	smart energy meters Single phase meter with MMB enclosure	1800 No.'s	smart energy meters Three phase meter with MMB enclosure	1200 No.'s	7-Way 40mm HDPE Multi-Way Duct	600 m	
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		During Execution				During Execution			
		1	HOT MIX PLANT- BATCH TYPE ELECTRONIC CONTROLS AND VIBRATORY SCREENS	1	120 TPH	1	HOT MIX PLANT- BATCH TYPE ELECTRONIC CONTROLS AND VIBRATORY SCREENS	1	60 TPH
		2	WMM PLANT	1	100 TPH	2	WMM PLANT	1	100 TPH
		3	EXCAVATORS AND DOZESS	3	1.25 CUM	3	EXCAVATORS AND DOZESS	3	1.25 CUM
		4	MOTOR GRADER	2	200 CUM/HR.	4	MOTOR GRADER	2	200 CUM/HR.
		5	PAVER FINISHER WITH ELECTRONIC SENSORS	1	1 NOS. CAPABLE OF PAVING 5.5MTR./HR.	5	PAVER FINISHER WITH MECHANICAL /ELECTRONIC SENSORS	1	1 NOS. CAPABLE OF PAVING 5.5MTR./HR
		6	CONCRETE BATCHING PLANT	1	15 CUM/HR.	6	CONCRETE BATCHING PLANT	1	15 CUM/HR.
		7	PNEUMATIC TYRE ROLLERS	1	8 TONNE MINIMUM 8 TYRES	7	PNEUMATIC TYRE ROLLERS	1	8 TONNE MINIMUM 8 TYRES
						8	VIBRATORY ROLLER	2	8 TO 10 TONNE

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			8	VIBRATORY ROLLER	2	8 TO 10 TONNE		9	TANDOM VIBRATORY ROLLER	2	8 TO 10 TONNE
			9	TANDOM VIBRATORY ROLLER	2	8 TO 10 TONNE		10	TRUCKS	10	10 TONNE
			10	TRUCKS	10	10 TONNE		11	HYDRA CRANE	1	
			11	HYDRA CRANE	1			12	MINI VIBRATORY ROLLER	1	
			12	MINI VIBRATORY ROLLER	1			13	TRUCK MOUNTED TRANSIT MIXER	4	4-6 CUM
			13	TRUCK MOUNTED TRANSIT MIXER	4	4-6 CUM		14	BITUMEN PRESSURE DISTRIBUTOR	2	1750 SQM/HR.
			14	BITUMEN PRESSURE DISTRIBUTOR	2	1750 SQM/HR.		15	WATER TANKER	2	6 KL
			15	WATER TANKER	2	6 KL		16	PAVER BLOCK CASTING MACHINE	1	
			16	PAVER BLOCK CASTING MACHINE	1			17	MECHANICAL BROOM	1	1500 SQMTR/HR.
								18	SMALL ESCAVATORS (BOBCAT TYPE)	3	

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			17	MECHANICAL BROOM	1	1500 SQMTR/HR.	
7	325	Section VI. General Conditions (GC) 10. Price Variation 10.1 Price Variation due to changes in the prices of labour, materials, bitumen, petroleum, cement and stee	<p>If, during the process of the contract of value exceeding Rs.50 lakh (accepted Contract Price minus cost of material supplied by the Procuring Entity), and where stipulated completion period is more than 20 months (both the conditions should be fulfilled), the price, of any materials/ bitumen/ diesel and petrol/ cement/ steel incorporated in the Works (not being materials to be supplied by the Procuring Entity) and/ or wages of labour increases or decreases, as compared to the price and/ or wages prevailing at the date of opening of bids, the amounts payable to Contractor for the Works shall be adjusted for increase or decrease in the rates of materials (excepting those materials supplied by the Procuring Entity)/ labour/ bitumen /diesel and petrol/ cement/ steel / other materials. If negotiated rates have been accepted, prices as on the date of negotiation shall be considered for price adjustment. Similarly, if rates received on the date of opening of bids have been accepted, then prices on the date of opening of bids shall be considered for price adjustment.</p>				<p>If, during the process of the contract of value exceeding Rs.50 lakh (accepted Contract Price minus cost of material supplied by the Procuring Entity), and where stipulated completion period is more than 18 months (both the conditions should be fulfilled), the price, of any materials/ bitumen/ diesel and petrol/ cement/ steel incorporated in the Works (not being materials to be supplied by the Procuring Entity) and/ or wages of labour increases or decreases, as compared to the price and/ or wages prevailing at the date of opening of bids, the amounts payable to Contractor for the Works shall be adjusted for increase or decrease in the rates of materials (excepting those materials supplied by the Procuring Entity)/ labour/ bitumen /diesel and petrol/ cement/ steel / other materials. If negotiated rates have been accepted, prices as on the date of negotiation shall be considered for price adjustment. Similarly, if rates received on the date of opening of bids have been accepted, then prices on the date of opening of bids shall be considered for price adjustment.</p>
Volume II - Corrigendum							
8	8	4. SCOPE OF WORK	<p>CSML intends to develop 5 roads in Ernakulam central area (4.91 Km) as smart roads. The scope of work includes developing the existing roads</p>				<p>CSML intends to develop 5 roads in Ernakulam central area (4.91 Km) as smart roads. The scope of work includes developing the existing roads mentioned</p>

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		<p>4.1. CONSTRUCTION, OPERATION AND MAINTENANCE OF SMART ROADS:</p>	<p>mentioned above by upgradation and augmentation of foot path, pavements, construction of a minor bridge on Abraham Madamakkal road, provision of cycle lanes, providing Road Markings, Street Furniture, Bus bays, Street Landscaping works, utility trenching/ducting works, Construction of new drains and restoration of existing drains as per site requirements, shifting of utilities to underground trenches, foundation for street light poles, monopoles and smart poles, installation of compact substations, individual connections through feeder pillars, smart elements and other Miscellaneous works along with operation maintenance of landscaping works.</p>	<p>above by upgradation and augmentation of foot path, pavements, construction of a minor bridge on Abraham Madamakkal road, provision of cycle lanes, providing Road Markings, Street Furniture, Bus bays, Street Landscaping works, utility trenching/ducting works, Construction of new drains and restoration of existing drains including cleaning of existing drain by deploying suitable no. of scavenger / labours, diverting the waste water during construction period as per site requirements, shifting of utilities to underground trenches, foundation for street light poles, monopoles and smart poles, installation of compact substations, individual connections through feeder pillars, smart elements and other Miscellaneous works along with operation maintenance of landscaping works.</p>
9	9	<p>4. SCOPE OF WORK</p> <p>4.3. CONSTRUCTION OF OTHER ROADS:</p>	<p>The existing internal roads Connecting or not connecting the smart roads are to be developed as Other roads for improved traffic flow within the ABD area. The scope of works in Other rods are mainly but not limited to upgradation of drainage facilities by Construction of new drains, Irish drains and restoration of existing drains as per site requirements, provision of footpath (as per standards and space available) and surface improvement where ever required. CSML intends to develop 39 Roads in Ernakulam central area (13.52 Km) including Landscape, hardscape and cycle track at certain locations</p>	<p>The existing internal roads Connecting or not connecting the smart roads are to be developed as Other roads for improved traffic flow within the ABD area. The scope of works in Other rods are mainly but not limited to upgradation of drainage facilities by Construction of new drains, Irish drains and restoration of existing drains as per site requirements, provision of footpath (as per standards and space available) and surface improvement where ever required. CSML intends to develop 41 Roads in Ernakulam central area (14.02 Km) including Landscape, hardscape and cycle track at certain locations</p>



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For further updates visit website www.etenders.kerala.gov.in, www.csml.co.in, www.kochimetro.org -Under organization name – “ Kochi Metro Rail Ltd”.

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