

Date: 29.01.2019

RAJASTHAN STATE HIGHWAYS INVESTMENT PROGRAM

CORRIGENDUM No. 1 TO THE

RFP DOCUMENT

FOR

CONSULTANCY SERVICES FOR AUTHORITY ENGINEER FOR SUPERVISION OF PACKAGE NO. RSHIP-ADB-TRANCHE-2/EPC/01 AND 04 DEVELOPMENT & MAINTENANCE OF JODHPUR – SOJAT SECTION OF SH-58 (LENGTH 75.91 KM), BHINMAL PANTHERI – POSANA – JEEVANA OF SH-31A (LENGTH 51.58 KM); AND SIWANA – SAMDARI – BALESAR ROAD SH-66 (LENGTH 90.648 KM) TOTAL LENGTH 218.138 KM IN THE STATE OF RAJASTHAN ON ENGINEERING, PROCUREMENT & CONSTRUCTION (EPC) MODE

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29/1/19
(Rakesh Gupta)

**Addl. Chief Engineer (PPP)
PWD Rajasthan, Jaipur**

Date: 29.01.2019

The following is the modification of the RFP Document for Authority Engineer for supervision of package no. RSHIP-ADB-TRANCHE-2/EPC/01 and 04 Development & Maintenance of Jodhpur – Sojat section of SH-58 (length 75.91 km), Bhinmal Pantheri – Posana – Jeevana of SH-31A (length 51.58 km); and Siwana – Samdari – Balesar Road SH-66 (length 90.648 km) total length 218.138 km in the State of Rajasthan on Engineering, Procurement & Construction (EPC) Mode. The deletion from the earlier text of the Bidding Document are indicated as strikethroughs and additions are underlined.

S.No	Clause No	Provisions of the Bidding Document				
1	Section 1: (Information to Consultants): Clause-5	Unqualified bidders would be informed regarding their non-qualification, without any explanation and thereafter Bid Security would be returned unopened after the evaluation of the financial proposal and signing the contract agreement with the successful bidder.				
2	Section 2 (Letter of Invitation to Consultants): Clause-3.4(vi)	The proposal shall indicate as to whether the firm <u>JV firm/Associate firm</u> is having the facilities for carrying out the following field activities or these are proposed to be outsourced to specialized agencies				
3	Section 2 (Letter of Invitation to Consultants): Appendix-EC Clause-1 (Evaluation Criteria for Assessment of Experience of the Firm), S.No 1	Year of Establishment of the Firm (In case of JV year of establishment of Lead Member shall be considered) <u>< 5 years - 0 marks</u> Up to 5 years- 1.5 marks Add 0.25 (Zero point two five) mark extra for each subsequent year subjected to maximum 0.50 marks				
4	Section 2 (Letter of Invitation to Consultants): Appendix-EC Clause-1 (Evaluation Criteria for Assessment of Experience of the Firm), S.No 5	Ownership with the Firm <u>JV firm/Associate firm</u> to carryout following activities: a. Surface defect detection and roughness measurement using Network Survey Vehicle b. Pavement strength measurement using FWD Road Signs inspection using Retroreflectometer				
5	Section 2 (Letter of Invitation to Consultants): Appendix-EC Clause-1 (Evaluation Criteria for Assessment of score of Key	<table border="1"> <tbody> <tr> <td>I) Graduate in Civil Engineering</td> <td>18</td> </tr> <tr> <td>II) Post Graduate in Transportation /Highway Engineering/ Construction Management or equivalent</td> <td><u>20</u> 06 <u>04</u></td> </tr> </tbody> </table>	I) Graduate in Civil Engineering	18	II) Post Graduate in Transportation /Highway Engineering/ Construction Management or equivalent	<u>20</u> 06 <u>04</u>
I) Graduate in Civil Engineering	18					
II) Post Graduate in Transportation /Highway Engineering/ Construction Management or equivalent	<u>20</u> 06 <u>04</u>					

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	Staff for adequacy of the Assignment), Team Leader cum Senior Highway Engineer	<p>Experience as Team Leader or similar capacity in Highway Development Projects (of length 88 km or more of similar configuration (2/4/6 laning)**and above)</p> <p>< 5 years -0</p> <p>5 years - 11 <u>12</u></p> <p>Add one mark extra for each additional year of experience subject to maximum 4 3 (four <u>three</u>) marks.</p>	
		<p>Experience as Team Leader or similar capacity of project Preparation including design of major highway Project (of length 88 km or more of similar configuration (2/4/6 laning)** and above).</p> <p>< 2 projects -0</p> <p>2 Projects - 11 <u>12</u></p> <p>Add one mark extra for each additional project of experience subject to maximum 4 3 (four <u>three</u>) marks.</p>	
6	Section 2 (Letter of Invitation to Consultants): Appendix-EC Clause-1(Evaluation Criteria for Assessment of score of Key Staff for adequacy of the Assignment), Resident cum Highway Engineer	<p>I) Graduate in Civil Engineering</p> <p>II) Post Graduate in Transportation /Highway Engineering</p>	<p><u>18</u></p> <p><u>07</u></p> <p><u>05</u></p>
		<p>Total Professional Experience in handling Highway projects</p> <p>< 12 years -0</p> <p>12 years - 12 <u>15</u></p> <p>Add one marks extra for each additional projects year of experience subject to maximum 8 <u>5</u> (eight <u>five</u>) marks.</p>	

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		<p>Experience as Resident Engineer/Project Director/Project Manager/Superintending Engineer or equivalent/Executive Engineer or equivalent on construction works/Authority Engineer/Independent Engineer Projects of length of 50 km or more of similar configuration 2/4/6 lanning**or above.</p> <p>< 5 years -0 5 years -12 <u>15</u></p> <p>Add one marks extra for each additional projects <u>year</u> of experience subject to maximum & <u>5</u> (eight <u>five</u>) marks.</p>	
		<p>Experience in similar capacity of Highway Project of Construction/Construction Supervision/IC on EPC/PPP Mode (of length of 50 km or more of similar configuration 2/4/6 lanning**or above.</p> <p>< 2 projects -0 2 projects - 3 <u>4</u></p> <p>Add 1 (one) mark extra for each additional project subject to maximum 2 <u>1</u> (two <u>one</u>) marks.</p>	
7	<p>Section 2 (Letter of Invitation to Consultants): Appendix-EC Clause-1(Evaluation Criteria for Assessment of score of Key Staff for adequacy of the Assignment), Highway Design Engineer</p>	<p>I) Graduate in Civil Engineering <u>18</u> <u>20</u></p> <p>II) Post Graduate in Transportation /Highway Engineering <u>07</u> <u>05</u></p>	
		<p>Total Professional Experience in handling Highway projects</p> <p>< 12 years -0 12 years - 12 <u>15</u></p> <p>Add one marks extra for each additional projects <u>year</u> of experience subject to maximum & <u>5</u> (eight <u>five</u>) marks.</p>	

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		<p>Experience in similar capacity on computer aided design methods for civil/Highway Engineering with particular reference to CAD application to geometric design for Highway rehabilitation and/or upgrading projects of length 88 km or more of similar configuration 2/4/6 lanning** and above</p> <p>< 2 projects -0 2 Projects -<u>4</u> Add 1 (one) mark extra for each additional project subject to maximum 2 <u>1</u> (two <u>one</u>) marks.</p>	
8	Section 2 (Letter of Invitation to Consultants): Appendix-EC Clause-1 (Evaluation Criteria for Assessment of score of Key Staff for adequacy of the Assignment), Senior Pavement Specialist	I) Graduate in Civil Engineering II) Post Graduate in Transportation /Highway Engineering	<u>18</u> <u>20</u> 07 <u>05</u>
		<p>Experience in similar capacity on major Highway projects (of length of 88 km or more of similar configuration 2/4/6 lanning** and above in innovative/non-traditional technology and design</p> <p>< 2 projects -0 2 Projects -3 <u>4</u> Add 1 (one) mark extra for each additional project subject to maximum 2 <u>1</u> (two <u>one</u>) marks.</p>	
9	Section 2 (Letter of Invitation to Consultants): Appendix-EC Clause-1 (Evaluation Criteria for Assessment of score of Key Staff for adequacy of the Assignment), Senior Quality/Material Expert	I) Graduate in Civil Engineering II) Post Graduate in Transportation /Highway Engineering	<u>18</u> <u>20</u> 07 <u>05</u>
		<p>Total Professional Experience in handling Highway/ projects</p> <p>< 12 years -0 12 years -12 <u>15</u></p> <p>Add one marks extra for each additional projects <u>year</u> of experience subject to maximum 8 <u>5</u> (eight <u>five</u>) marks.</p>	

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		<p>Experience in similar capacity</p> <p>< 5 years -0</p> <p>5 years -12 <u>15</u></p> <p>Add one marks extra for each additional year of experience subject to maximum 8 <u>5</u> (eight <u>five</u>) marks.</p>				
		<p>Experience in similar capacity in handling Similar Highway projects (of length 50 km or more of similar configuration (2/4/6 laning**) and above)</p> <p>< 2 projects -0</p> <p>2 projects - 14 <u>15</u></p> <p>Add two <u>one</u> marks extra for each additional year project of experience subject to maximum 6 <u>5</u> (six <u>five</u>) marks.</p>				
		<p>Experience in similar capacity in handling Similar Highway projects (of length 50 km or more of similar configuration (2/4/6 laning**) and above) on EPC/PPP Mode.</p> <p>< 2 projects -0</p> <p>2 projects - 3 <u>4</u></p> <p>Add 1 (one) mark extra for each additional project subject to maximum 2 <u>1</u> (two <u>one</u>) marks.</p>				
10	<p>Section 2 (Letter of Invitation to Consultants): Appendix-EC Clause-1(Evaluation Criteria for Assessment of score of Key Staff for adequacy of the Assignment), Road Safety Expert</p>	<table border="1"> <tr> <td>I) Graduate in Civil Engineering</td> <td>18 <u>20</u></td> </tr> <tr> <td>II) Post Graduate in Transportation /Highway Engineering</td> <td>07 <u>05</u></td> </tr> </table>	I) Graduate in Civil Engineering	18 <u>20</u>	II) Post Graduate in Transportation /Highway Engineering	07 <u>05</u>
I) Graduate in Civil Engineering	18 <u>20</u>					
II) Post Graduate in Transportation /Highway Engineering	07 <u>05</u>					
		<p>Total Professional Experience in handling Highway projects</p> <p>< 12 years -0</p> <p>12 years - 11 <u>12</u></p> <p>Add 1 (one) mark extra for each additional project subject to maximum 4 <u>3</u> (four <u>three</u>) marks.</p>				

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		<p>Experience in similar capacity in Road Safety Audits of 2/4/6-laning** Highway projects of length 88 Km or more at different stages including at least one at design stage</p> <p>< 2 projects -0 2 projects - 12 <u>13</u> Add 1 (one) mark extra for each additional project subject to maximum 8 <u>7</u> (eight seven) marks.</p> <hr/> <p>Experience in similar capacity in identification and improvement of black spots on Major Highway Project of length 88 Km or more of similar configuration 2/4/6-laning** and above)</p> <p>< 2 projects -0 2 projects - 6 <u>7</u> Add 1 (one) mark extra for each additional project subject to maximum 4 <u>3</u> (four three) marks.</p> <hr/> <p>Experience in similar capacity of preparing Road Safety Management Plans for Major Highway of length 88 Km or more of similar configuration 2/4/6-laning** and above) on EPC/PPP Mode.</p> <p>< 1 projects -0 1 projects - 3 <u>4</u> Add 1 (one) mark extra for each additional project subject to maximum 2 <u>1</u> (two one) marks</p>	
11	Section 2 (Letter of Invitation to Consultants): Appendix-EC Clause-1 (Evaluation Criteria for Assessment of score of Key Staff for adequacy of the Assignment), Senior Bridge/Structure Engineer	I) Graduate in Civil Engineering II) Post Graduate in Transportation /Highway Engineering	<u>18</u> <u>20</u> 07 <u>05</u>

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		<p>Total Professional Experience in handling Highway/Bridge projects</p> <p>< 12 years -0</p> <p>12 years -12 <u>15</u></p> <p>Add two <u>one</u> marks extra for each additional project <u>year</u> of experience subject to maximum & <u>5</u> (eight <u>five</u>) marks.</p> <hr/> <p>Experience in similar capacity in supervision of Major Highway Bridges/ROB/Flyover/ Interchanges/ any other structures</p> <p>< 2 Projects <u>Structures</u> - 0</p> <p>2 Projects <u>Structures</u> - 12 <u>15</u></p> <p>Add 1 (one) marks extra for each additional project of experience subject to maximum & <u>5</u> (eight <u>five</u>) marks.</p> <hr/> <p>Experience in similar capacity in supervision of Rehabilitation and repair of Major Bridges/ROB/Flyover/ Interchanges/ any other structures</p> <p>< 2 projects <u>Structures</u> - 0</p> <p>2 projects <u>Structures</u> -03 <u>04</u></p> <p>Add 1 (one) mark extra for each additional project subject to maximum & <u>1</u> (two <u>one</u>) mark</p>	
12	<p>Section 2 (Letter of Invitation to Consultants): Appendix-EC Clause-1(Evaluation Criteria for Assessment of score of Key Staff for adequacy of the Assignment), Senior Contract Specialist</p>	<p>I) Graduate in Civil Engineering 18 <u>20</u></p> <p>II) Post Graduate in Transportation /Highway Engineering 07 <u>05</u></p>	
		<p>Experience in Contract Management of a large Highway contract say over Rs.150 crore including experience of handling Variation orders, claims of the contractor and there appropriate disposal [of length 88 Km or more of similar configuration (2/4/6 lanning**) and above]</p> <p><2 projects - 0</p> <p>2 projects 12 <u>15</u></p> <p>Add 1 (one) marks extra for each additional project of experience subject to maximum & <u>5</u> (eight <u>five</u>) marks.</p>	

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		<p>Experience in handling Arbitration cases in respect of similar highway Project [of length 88 Km or more of similar configuration (2/4/6 lanning**) and above]</p> <p><2 projects - 0</p> <p>2 projects - 6 <u>7</u></p> <p>Add 1 (one) mark extra for each additional project subject to marks 4 <u>3</u> (four three) marks</p>				
		<p>Employment with the Firm</p> <p>< 1 year - 0</p> <p>1 year or more - 3</p> <p>Add 0.5 marks for each subsequent year subject to maximum 2 marks</p>				
13	<p>Section 2 (Letter of Invitation to Consultants): Appendix-EC Clause-1 (Evaluation Criteria for Assessment of score of Key Staff for adequacy of the Assignment), Senior Quantity Surveyor</p>	<table border="1"> <tr> <td>I) Graduate in Civil Engineering</td> <td>18 <u>20</u></td> </tr> <tr> <td>II) Post Graduate in Transportation /Highway Engineering</td> <td>07 <u>05</u></td> </tr> </table>	I) Graduate in Civil Engineering	18 <u>20</u>	II) Post Graduate in Transportation /Highway Engineering	07 <u>05</u>
I) Graduate in Civil Engineering	18 <u>20</u>					
II) Post Graduate in Transportation /Highway Engineering	07 <u>05</u>					
		<p>Total Experience in handling highway projects</p> <p><12 years - 0</p> <p>12 years 12 <u>15</u></p> <p>Add two <u>one</u> marks extra for each additional project <u>year</u> of experience subject to maximum 8 <u>5</u> (eight five) marks..</p>				
		<p>Experience in Quantity Surveyor or equivalent in construction supervision of highway Projects [of length 88 Km or more of similar configuration (2/4/6 lanning**) and above]</p> <p><5 years - 0</p> <p>5years 12 <u>15</u></p> <p>Add two <u>one</u> marks extra for each additional project <u>year</u> of experience subject to maximum 8 <u>5</u> (eight five) marks..</p>				

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		<p>Employment with the Firm < 1 year - 0 1 year or more - 3</p> <p>Add 0.5 marks for each subsequent year subject to maximum 2 marks</p>			
14	Section 5: (Format for submission of Financial Proposal): Appendix C-3(Breakdown of Local currency Costs);II Support staff (Not to be submitted in Hard Copy)	S.No	Position	Name	Staff Months
		1	Office Manager cum Accountant (<u>± 3 Nos</u>)	TBN	42 <u>126</u>
				Total	1018 <u>1102</u>
15	Section 6: (Terms of Reference for Authority's Engineer), Enclosure B Team Leader cum Senior Highway Engineer (Full Time),Essential Qualifications	<p>(f) He should have handled as Team Leader or similar capacity of at least onetwoProjects of similar configuration 2/4/6 lanning**.Project Preparation of major highway Project of similar configuration 2/4/6 lanning** of length 100 <u>88</u> Km or more.</p> <p>(g)He should have experience of Operation and Maintenance as Team Leader or similar capacity of at least one major highway projects of length 100 <u>88</u> Km or more of similar configuration 2/4/6 lanning.**</p>			
16	Section 6: (Terms of Reference for Authority's Engineer), Enclosure B Highway Design Engineer, Essential Qualifications	<p>(e) He should have handled as Highway Design Engineer in DPR of major improvement of at least 2 projects of major highways(of length 94100 <u>88</u> Km or more of similar configuration 2/4 /6 laning** and above and above.</p> <p>(f) Experience in similar capacity on computer aided design methods for civil/Highway Engineering with particular reference to CAD application to geometric design for at least 2 Highway rehabilitation and/or upgrading projects of length 100 <u>88</u> Km or more of similar configuration 2/4 /6 laning** and above and above.</p>			
17	Section 6: (Terms of Reference for Authority's Engineer), Enclosure B Senior Pavement Specialist (1) Essential Qualifications	<p>(c) Experience of 5 years in similar capacity in Construction / Construction Supervision of 2/4/6 laning** of major highway projects of length 100 <u>88</u> Km or more.</p> <p>(d) Experience as Pavement / Geotechnical Engineer in Construction/Construction Supervision of at least 2 major highway projects (of length 100 <u>88</u> Km or more of similar configuration 2/4/6 laning**and above.</p>			

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	(2) Preferential Qualification	(b) Experience in similar capacity on at least one major Highway project (of length of 100 <u>88</u> km or more of similar configuration 2/4/6 laning** and above in innovative/non-traditional technology and design) (c) Experience in similar capacity as Pavement/Geo-technical Engineer in construction/ construction supervision of at least one Major Highway project (of length of 100 <u>88</u> km or more of similar configuration 2/4/6 laning** and above) on EPC/PPP Mode.
18	Section 6: (Terms of Reference for Authority's Engineer), Enclosure B Road Safety Expert (1) Essential Qualifications	(c) Minimum 5 years** experience in Road Safety works of Major Highway Projects of length 100 <u>88</u> Km or more similar configuration 2/4/6 laning** and above) (e) Experience in similar capacity in the field of Road Safety Management Plan of at least one Major Highway Projects of length 100 <u>88</u> Km or more similar configuration 2/4/6 laning** and above)
	(2) Preferential Qualification	Experience in similar capacity in identification and improvement of black spots on Major Highway Project of length 100 <u>88</u> Km or more similar configuration 2/4/6 laning** and above). Experience in similar capacity in Preparation of Road Safety Management Plan for at least one Major Highways of length 100 <u>88</u> Km or more similar configuration 2/4/6 laning** and above) on EPC/PPP mode
19	Section 6: (Terms of Reference for Authority's Engineer), Enclosure B Senior Quantity Surveyor (1) Essential Qualifications	(d) He should have handled as Quantity Surveyor or equivalent in construction supervision of highway Projects (of length 100 <u>88</u>) or more of similar Configuration (2/4/6 laning*) and above
20	Section 6: (Terms of Reference for Authority's Engineer), Enclosure B Senior Contract Specialist (1) Essential Qualifications	Experience in handling Arbitration cases in respect of similar Highway Project (of project length (of length 100 <u>88</u>) or more of similar configuration (2/4/6 laning**)

and
29/1/19

(Rakesh Gupta)

Addl. Chief Engineer (PPP)
PWD Rajasthan, Jaipur