

## National Highways & Infrastructure Development Corporation Limited

**Sub: Consultancy Services for Preparation of Detailed Project Report and providing Pre-Construction activities for Construction of Highway 8.5 Km. Tunnel and approaches at Pir Ki Gali Pass from Km.31.100 to Km.49.300 on Mughal Road connecting Shopian with Bafliaz in Poonch District road in the Union Territory of Jammu & Kashmir.**

### Amendment No-1

Tender ID: 2021\_NHIDC\_642741\_1

03.09.2021

S.N.	Clause& Description	As per RFP	Amendments/ Modifications
1.	Cl.1.4 of LOI	The consultants shall submit proposals either in sole capacity or in JV or in Association. Joint Venture shall not have more than two firms. IN addition to this the Applicant may include Associates having experience in new technologies as AEM survey & Directional Coring (who shall fulfil at least 100% of eligibility requirement under Sr. No. B or C of Minimum Eligibility requirements of data Sheet). However, the Associate(s) cannot be common for 2 or more bidders. Any entity which has been barred by the Ministry of Road Transport and Highways (MORTH) or its implementing agencies for the works of Expressways, National Highways, ISC and EI Works and the bar subsists as on the date of application, would not be eligible to submit the bid, either individually or as a member of a Joint Venture. The consultant may bid for any number of tunnel package(s); accordingly they must fill Form II, showing for which package they are bidding.	The consultants shall submit proposals either in sole capacity or in JV or in Association. Joint Venture shall not have more than two firms. <del>IN addition to this the Applicant may include Associates having experience in new technologies as AEM survey &amp; Directional Coring (who shall fulfil at least 100% of eligibility requirement under Sr. No. B or C of Minimum Eligibility requirements of data Sheet).</del> However, the Associate(s) cannot be common for 2 or more bidders. Any entity which has been barred by the Ministry of Road Transport and Highways (MORTH) or its implementing agencies for the works of Expressways, National Highways, ISC and EI Works and the bar subsists as on the date of application, would not be eligible to submit the bid, either individually or as a member of a Joint Venture. The consultant may bid for any number of tunnel package(s); accordingly they must fill Form II, showing for which package they are bidding.
2.	Cl.3.2.3 Technical Proposal of LOI	viii) The proposal shall indicate as to whether the firm is having the facilities for carrying out the following field activities or these are proposed to be outsourced to specialized agencies in the Form- T-9. a) Airborne Electromagnetic Survey (AEM). b) Geo-technical Investigation In case ----- similar projects.	viii) The proposal shall indicate as to whether the firm is having the facilities for carrying out the following field activities or these are proposed to be outsourced to specialized agencies in the Form- T-9. a) <b>Deleted</b> b) Geo-technical Investigation In case ----- similar projects.
3.	Para 3.5.1 of TOR	Vertical and inclined test -----I models developed after AEM survey. In general, -----r approval of the NHIDCL.	Vertical and inclined test ----- models developed <b>after AEM survey</b> . In general, ----- approval of the NHIDCL.

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4.	<b>Para 3.5.6.4 of TOR</b>	Preparation of a Geotechnical --- Geological Model (considering the Geological Model Developed through AEM) of the ground within the route corridor, Horizontal Directional Coring duly supplemented by the vertical and inclined coring. This final ----- and orientation.	Preparation of a Geotechnical ---- Geological Model ( <del>considering the Geological Model Developed through AEM</del> ) of the ground within the route corridor, <del>Horizontal Directional Coring duly supplemented by the vertical and inclined coring</del> . This final ----- and orientation.
5.	<b>Appendix-III</b>  Form-T9 Facility for Field investigation and Testing	<p>1. State whether the Applicant has in-house Facility for</p> <p>a) Airborne Electromagnetic Survey (AEM) Available/ Outsourced/ Not Available</p> <p>b) Geo-technical investigation &amp; Directional Coring Available/ Outsourced/ Not Available</p> <p>2. In case answer to 1 is Available a list of field investigation and testing equipments available in-house.</p> <p>3. In case answer to 1 is Outsourced/ Not Available arrangements made/proposed to be made for each of above Field investigation and testing.</p>	<p>1. State whether the Applicant has in-house Facility for</p> <p>a) <b>Deleted</b></p> <p>b) Geo-technical investigation <del>&amp; Directional Coring</del> Available/ Outsourced/ Not Available</p> <p>2. In case answer to 1 is Available a list of field investigation and testing equipments available in-house.</p> <p>3. In case answer to 1 is Outsourced/ Not Available arrangements made/proposed to be made for each of above Field investigation and testing.</p>
6.	<b>Para xii. Cl. 3.2.3 of LOI</b>	It may please be noted that in case the requirement of the 'Experience' of the firm/Joint Venture as mentioned in the "Proof of Eligibility" is met by any foreign company, their real involvement for the intended project shall be mandatory. This can be achieved either by including certain man-months input of key experts belonging to the parent foreign company, or by submitting at least the draft feasibility report and draft DPR duly reviewed by the parent firm and their paying visit to the site and interacting with NHIDCL. In case of key personnel proposed by the foreign company, they should be on its pay roll for at least last six months (from the date of submission).	Deleted.





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7.	Para 12.1 First stage evaluation – eligibility requirement.	<table><tr><th colspan="3">Table-1: Minimum Eligibility Requirements (Indicative Length of tunnel 8.5 km)</th></tr><tr><th>S.No.</th><th>Minimum experience and performance of Preparation of DPR of Road Tunnels/Highways in the last 10 years (NH/SH/Equivalent) (for past performance attach undertaking for any litigation history/ and arbitration).</th><th>Annual average turnover</th></tr><tr><td>A.</td><td>A Firm applying should have Experience of preparation of Detailed Project Report for Road/Rail/Metro tunnels of aggregate length equal to the indicative length of the package. Firm should have also prepared DPR for atleast one project of Road/ Rail/Metro tunnel of minimum 40% of the indicative length of the package or feasibility study of Road/Rail/Metro tunnels of minimum 60% of the indicative length of the package.</td><td>Annual average turnover for last 5 years of the firm should be equal to or more than <b>Rs 5.00 Cr.</b></td></tr><tr><td>B</td><td>A Firm applying should have carried out the Directional Coring for Geological/Geotechnical investigation and has prepared record of ground conditions and geological information for a minimum horizontal length of 500M at a depth of 200 M of more from ground surface</td><td></td></tr><tr><td>C</td><td>The Firm applying should have carried out Airborne Electromagnetic Survey (AEM) (non-intrusive geophysical survey) to the depth of 300 M and have successfully prepared interpretative engineering geological model using the data so</td><td></td></tr></table>	Table-1: Minimum Eligibility Requirements (Indicative Length of tunnel 8.5 km)			S.No.	Minimum experience and performance of Preparation of DPR of Road Tunnels/Highways in the last 10 years (NH/SH/Equivalent) (for past performance attach undertaking for any litigation history/ and arbitration).	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		obtained for atleast one project of Road/ Rail/Metro tunnel of minimum 25% of the indicative length of the package.		<p>fulfill at least 50% of all eligibility requirements.</p> <p>(iii) If the applicant firm has / have prepared the DPR/FS projects solely on its own, 100% weightage shall be given. If the applicant firm has prepared the DPR/FS projects as a lead partner in a JV, 75% weightage shall be given. If the applicant firm have prepared the DPR projects as the other partner (not lead partner) in a JV, 25% weightage shall be given.</p> <p>(iv) Similar project means 2/4/6 lane as applicable for the project for which RFP is invited. For 2-lane projects experience of 4/6 lane also to be considered with a multiplication factor of 1.5. Experience of 4/6 lane shall be considered interchangeably for 4/6 laning projects. For 4/6 laning projects, experience of 2 lane will be considered with a multiplication factor of 0.4, but only for those 2 lane projects whose cost of consultancy services was more than Rs.1.0 crore.</p>
		<p><b>Note:</b> The experience of a firm in preparation of DPR for a private concessionaire/contractor shall not be considered.</p> <p>(i) The sole applicant shall fulfill all the requirements given in Table-1.</p> <p>(ii) In case of JV, the Lead Partner should fulfill at least 50% of all eligibility requirements of 1(A), 1(C) and 1(B) (i) or (ii) and the other partner shall fulfill at least 25% of all eligibility requirements of 1(A), 1(C) and 1(B) (i) or (ii). Jointly, the JV should fulfill 100% of all eligibility requirements.</p> <p>(iii) If the applicant firm has / have prepared the DPR/FS projects solely on its own, 100% weightage shall be given. If the applicant firm has prepared the DPR/FS projects as a lead partner in a JV, 75% weightage shall be given. If the applicant firm have prepared the DPR projects as the other partner (not lead partner) in a JV, 50% weightage shall be given. If the applicant firm have prepared the DPR/FS projects as an associate, 25% weightage shall be given.</p> <p>(iv) Similar project means 2/4/6 lane as applicable for the project for which RFP is invited. For 2-lane projects experience of 4/6 lane also to be considered with a multiplication factor of 1.5. Experience of 4/6 lane shall be considered interchangeably for 4/6 laning projects. For 4/6 laning projects, experience of 2 lane will be considered with a multiplication factor of 0.4, but only for those 2 lane projects whose cost of consultancy services was more than Rs.1.0 crore.</p>		
8.	12.2 Second Stage	<p><b>A. Firm's relevant experience in last 10 years</b></p> <p>As tunnel projects require specialized capabilities and skill sets, the following is the break-up:</p>		<p><b>A. Firm's relevant experience in last 10 years</b></p> <p>As tunnel projects require specialized capabilities and skill sets, the following is the break-up:</p>





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Technical Evaluation (Refer 5.2)	Sr No	Description	Maximum Points	Sub-Points	S. No.	Description	Maximum Points	Sub-Points
	1	Specific experience of the DPR consultancy related to the assignment for eligibility	15		1	Specific experience of the DPR consultancy related to the assignment for eligibility	15	
	1.1	Aggregate Length of DPR / Feasibility study of Road/Rail/Metro Tunnel projects	8		1.1	Aggregate Length of DPR / Feasibility study of 2/4/ 6 lane projects	8	
	1.1.1	More than the indicative Length of the package		6	1.1.1	More than the indicative Length of the package applied for		6
	1.1.2	More than 1.5 times the indicative length of the package		7	1.1.2	More than 2 times the indicative length of the package applied for		7
	1.1.3	More than 2 times the indicative length of the package		8	1.1.3	More than 3 times the indicative length of the package applied for		8
	1.2	DPR for Road/Rail/Metro Tunnel projects each equal to or more than 40 % of indicative tunnel length (or Feasibility Study each equal to or more than 60 % of indicative tunnel length)	7		1.2	DPR for 2/4/6 laning projects each equal to or more than 40 % of indicative length of a package applied for (or Feasibility Study for 2/4/6 laning projects each equal to or more than 60 % of indicative length of a package applied for)	7	
	1.2.1	1 project	5		1.2.1	1 project		5
	1.2.2	2 projects	6					
	1.2.3	3 projects or more	7					
	2	Specific experience of firms in terms of turnover	5					

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		2.1	Firm's Average Turnover of last 5 years $\geq$ 50 crore	5	1.2.2	2 projects	6
		2.2	Firm Average Turnover of last 5 years $\geq$ 20 crore but $<$ 50 crore	4.5	1.2.3	$\geq$ 3 projects	7
		2.3	Firm Average Turnover of last 5 years $<$ 20 crore	4	2	DPR of Bridge having length more than 200 m	5
		3	DPR for Road/Rail/Metro Tunnel projects in Hills or at an elevation of more than 1000 m	10	2.1	1 bridge	1
		3.1	1 project	6	2.2	2 bridges	2
		3.2	2 projects	8	2.3	3 bridges	3
		3.3	3 or more projects	10	2.4	4 bridges	4
		4	Carried out Airborne Electromagnetic Survey (AEM) (non-intrusive geophysical survey) to the depth of 300 M and have successfully prepared interpretative engineering geological model using the data so obtained  <u>OR</u> Directional Coring for investigating preparing record of ground conditions and geological information for a	10	2.5	$\geq$ 5 bridges	5
					3	Specific experience of firms in terms of turnover	5
					3.1	Firm's Average Turnover of last 5 years $>$ 50 crore	5
					3.2	Firm Average Turnover of last 5 years 20-50 crore	4.5
					3.3	Firm Average Turnover of last 5 years $>$ 5 but $<$ 20 crore	4
					4	DPR for special category projects (Special bridges/tunnels or expressways, whichever applicable). It is to be noted that either 4.1 or 4.2 shall be applicable, and not	



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		minimum horizontal length of 500M at a depth of 200M of more from ground surface			both.		
		1 Tunnel/Project		6	4.1	DPR of number of special bridges/ tunnels (if applicable)	5
		2 Tunnels/Project s		8	4.1.1	1 project	1
		3 Tunnels//Projects or more		10	4.1.2	2 projects	2
					4.1.3	3 projects	3
					4.1.4	4 projects	4
					4.1.5	≥ 5 projects	5
					4.2	Aggregate length of DPR/ Feasibility study for expressways	5
					4.2.1	Upto 50 km	2
					4.2.2	50km to 100 km	3
					4.2.3	100km to 150 km	4
					4.2.4	> 150 Km	5
					5	Highway Professionals * working with the firm	10
					5.1	<10 nos.	0
					5.2	10-20 nos.	8

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			5.3	> 20-30 nos.		9
			5.4	> 30 nos.		10
			*The professionals who possess degree in Civil Engineering/Transport Planning/Transport Economics/Traffic Management/Geology/Environment Science or Engineering and 8 years Experience in highway/bridge/tunnel with employment in the firm for more than one year. The current Employment Certificate shall be uploaded by Key Personnel on INFRACON.			
9.	Para13 of Data Sheet	Both domestic Consultant as well as Foreign Consultants has to quote in Rupees.	Domestic Consultant <del>as well as Foreign Consultants</del> has to quote in Rupees.			
10.	Para 13. Of Appendix-II  Form E1  Proof of Eligibility	The Bid Security of Rs. 2,00,000/- (Rupees Two Lakh only) in the form of a 'Demand Draft/ Receipt of the online payment' is attached, in accordance with the RFP document.	Deleted			
11.	NIT /RFP	<b>Bid Submission Start</b>	06.09.2021		<b>Bid Submission Start</b>	13.09.2021
		<b>Bid Due Date</b>	09.09.2021		<b>Bid Due Date</b>	16.09.2021

  
**(B. Shivprasad)**  
**General Manager(T)**