

National Highways & Infrastructure Development Corporation Limited

Subject: Independent Engineer services for Construction, Operation and Maintenance of Z-Morh tunnel including approaches on National Highways No.1 (Srinagar Sonamarg Gumri Road) in the UT of J&K on Design, Build, Finance, Operate and Transfer (DBFOT) Annuity basis (Project).

Tender ID: 2020_NHIDC_589152_1

Amendment no. 4

Sr. No.	Reference section/clause no./ Annexure/items	Existing Provision		Modified Provision (To be read as)	
1.	Clause 7 of NIT, page 4 & Clause 24 of DATA SHEET, page 24	Bid Submission start Date	08.11.2020 (1100 hrs)	Bid Submission start Date	16.11.2020 (1100 hrs)
		Bid submission End Date (online & physical Copy)	11.11.2020 (1100 hrs)	Bid submission End Date (online)	19.11.2020 (1100 hrs)
		Opening Date of Technical Bid	12.11.2020 (1130 hrs)	Opening Date of Technical Bid	20.11.2020 (1130 hrs)
2.	Clause 15 A). Eligibility criteria for sole applicant firm, Page 8 of 278	<p>**Tunnel project for road/rail/metro (having cross sectional area of 50% or more of the proposed tunnel) will be considered as 'similar category of project' for this RFP which can be either standalone project or as a part of road/rail/metro project.</p> <p>Note:</p> <p><i>(i) For qualification criteria, the cross-sectional area of the tunnel to be constructed in this project will be 115 sq m for unlined tunnel and 100 sq m for lined tunnel. The area of the completed/excavated tunnel will be calculated as per IRC SP:91:2010 (or latest available).</i></p> <p><i>(ii) Similar project means Tunnel project for road/rail/metro having cross sectional area of 50% or more of the proposed tunnel. For this project experience of twin tunnel each having cross sectional area of 50% or more of the proposed tunnel will also to be considered with a multiplication factor of 2.0.</i></p>		<p>**Tunnel project for road/rail/metro will be considered as 'similar category of project' for this clause which can be either standalone project or as a part of road/rail/metro project.</p> <p>Note:</p> <p>(i) Deleted.</p> <p>(ii) Deleted.</p>	



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3.	Clause 10 (i), Sub criteria for relevant experience of the firm for the assignment, DATA SHEET, Page 26 of 278	**Tunnel Works as applicable for the project for which RFP is invited. Road/Rail/Metro tunnel (having cross sectional area of 50% or more of the proposed tunnel) will be considered as part of transportation tunnel projects. For standalone tunnel projects, experience in Tunnel work (either standalone project or as a part of road project) only be considered.	** Tunnel Works as applicable for the project for which RFP is invited. Road/Rail/Metro tunnel will be considered as part of transportation tunnel of similar category of projects. For standalone tunnel projects, experience in Tunnel work (either standalone project or as a part of road project) only be considered.
4.	Clause-1, Evaluation criteria for assessment of experience of the firm, Appendix-EC, Page 31 of 278	Note 3: ** Tunnel project for road/rail/metro having cross sectional area of 50% or more of the proposed tunnel shall only be considered. For this project experience of twin tunnel each having cross sectional area of 50% or more of the proposed tunnel will also to be considered with a multiplication factor of 2.0.	Deleted.
5.	Appendix-EC, Note applicable to all key personnel, Page 47 of 278	1. If a key personnel has worked in next lower category to the similar capacity, the marks allotted to key personnel in the category 'experience in similar capacity' shall be reduced to two thirds of marks in this category. This shall be applicable for evaluation of all key personnel. 2. ** Similar project means Tunnel project for road/rail/metro having cross sectional area of 50% or more of the proposed tunnel. For this project experience of twin tunnel each having cross sectional area of 50% or more of the proposed tunnel will also to be considered with a multiplication factor of 2.0.	Deleted.
6.	Appendix-EC, Clause 1 (V), page 31	V) In hand DPR/AE/IE of highway/bridge/tunnel projects for NHIDCL (presently under progress) as Sole/Lead Consultant < 2 projects - Zero Marks 2 to 5 projects - 5 Marks > 5 projects - 5 Marks	V) In hand DPR/AE/IE/ Consultancy Services of highway/bridge/tunnel projects for NHIDCL (presently under progress) as Sole/JV partner/ Associate Consultant < 2 projects - Zero Marks 2 to 5 projects - 5 Marks > 5 projects - 10 Marks

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7.	Appendix-EC, Clause 3.1 Team Leader cum Senior Tunnel Expert, page 33- 34	a i)	Total Professional Experience <20 years - 0 marks 20 years - 5 marks Add 1 mark extra for each additional year of experience subject to maximum 2 (two) marks.	7	a i)	Total Professional <i>International</i> Experience <i>in handling major tunnel projects</i> <5 years - 0 marks 5 years - 5 marks Add 1 mark extra for each additional year of experience subject to maximum 2 (two) marks.	7
		b. iii)	Experience as Team Leader or similar capacity in construction supervision of tunnels (Road/Rail/Metro) of length 4 km or more < 2 projects - 0 marks 2 Projects - 15 marks Add 1.25 mark extra for each additional projects subject to maximum 5(five) marks.	20	b. iii)	Experience as Team Leader or similar capacity in construction supervision of <i>similar</i> tunnels (Road/Rail/Metro) of length 4 km or more < 2 projects - 0 marks 2 Projects - 8 marks Add 1 mark extra for each additional projects subject to maximum 2 (two) marks.	10
			-		b. iv)	Experience as Team Leader or similar capacity in construction supervision of <i>similar</i> tunnels (Road/Rail/Metro) of length 4 km or more <i>outside India</i> < 2 projects - 0 marks 2 Projects - 8 marks Add 1 mark extra for each additional projects subject to maximum 2 (two) marks	10
8.	Appendix-EC, Clause 3.1 Team Leader cum Senior Tunnel Expert, Note , page 34	As per RFP, Definition of Team Leader includes Project Manager/ resident Engineer/ or any equivalent position.			As per RFP, Definition of Team Leader includes Project Manager/ Project Director / Resident Engineer/ Senior Tunnel Expert/ Tunnel Expert or any equivalent position.		
9.	Appendix-EC, Clause 3.1 Team Leader cum Senior Tunnel Expert, Note , page 34	-			Following Note is added: Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 12 months (unless specified).		

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10.	Appendix-EC, Clause 3.2 Resident cum Tunnel Excavation Expert, page 35	a i)	Total Experience <15 years - 0 marks 15 years - 12 marks Add 1 mark extra for each additional year of experience subject to maximum 3 (three) marks	15	a i)	Total Experience <15 years - 0 marks 15 years - 4 marks Add 0.5 mark extra for each additional year of experience subject to maximum 1 (one) marks	5
			-		a iii)	Total Professional <i>International</i> Experience in handling major tunnel projects <5 years - 0 marks 5 years - 8 marks Add 1 mark extra for each additional year of experience subject to maximum 2 (two) marks.	10
		b. ii)	Experience as Tunnel Excavation Expert or similar capacity in construction supervision of tunnel projects (Road/Rail/Metro) of minimum length of 4 km (minimum one year supervision in a project) < 2 projects - 0 2 projects - 15 marks Add 2.5 marks extra for each additional projects subject to 5 (five) marks.	20	b. ii)	Experience as Tunnel Excavation Expert or similar capacity in construction supervision of tunnel projects (Road/Rail/Metro) of minimum length of 4 km (minimum one year supervision in a project) < 2 projects - 0 2 projects - 8 marks Add 1 marks extra for each additional projects subject to 2 (Two) marks.	10
			-		b. iv)	<i>International</i> Experience as Tunnel Excavation Expert or similar capacity in construction supervision of tunnel projects (Road/Rail/Metro) of minimum length of 4 km (minimum one year supervision in a project) < 2 projects - 0 2 projects - 8 marks Add 1 marks extra for each additional projects subject to 2 (Two) marks.	10
11.	Appendix-EC, Clause 3.2 Resident cum Tunnel Excavation Expert , Note , page 36	-			Following Note is added: Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 12 months (unless specified).		

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12.	Appendix-EC, Clause 4 Tunnel Design Engineer, page 39	1 ii)	Post-Graduate in Engineering (Structural)	4	1 ii)	Post Graduation in Design/Structural Engineering or equivalent	4	
		2	Adequacy for the Project			2	Adequacy for the Project	
		a i)	Total Professional Experience <20 years - 0 marks 20 years - 11 marks Add 1 mark extra for each additional year of experience subject to maximum 4 (four) marks	15		a i)	Total Professional Experience <20 years - 0 marks 20 years - 4 marks Add 0.5 mark extra for each additional year of experience subject to maximum 1 (one) marks	05
		c i)	Experience in innovation tunnel design (Road/Rail/Metro) like immersed tunnel, sub-sea bored tunnel and high altitude tunnels (more than 2500 M above msl. 1 projects - 4 marks 2 or more projects -5 marks	5		a iii)	Total Professional <i>International</i> Experience <i>in handling major tunnel projects</i> <5 years - 0 marks 5 years - 8 marks Add 1 mark extra for each additional year of experience subject to maximum 2 (two) marks.	10
13.	Appendix-EC, Clause 4 Tunnel Design Engineer , Note , page 40	-			Below the table following Note is added: Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 6 months (unless specified)			
14.	Appendix-EC, Clause 3.5 Tunnel Safety Expert, page 41	1 i)	General Qualification i) Graduation in Engineering or equivalent	21	1 i)	General Qualification i) Graduation in Civil/Mining Engineering or equivalent	21	
		a iii)	International exposure in tunnel safety works in developed countries <7 years - 0 7 years - 7 marks Add 1 mark extra for each additional projects subject to maximum 3 (three) marks.	10		a iii)	International exposure in tunnel safety works <7 years - 0 7 years - 7 marks Add 1 mark extra for each additional projects subject to maximum 3 (three) marks.	10
15.	Appendix-EC, Clause 3.5 Tunnel Safety Expert, Note , page 42	-			Below the table add following Note: Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 12 months (unless specified)			



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16.	Appendix-EC, Clause 3.6 Senior Geotechnical Expert, page 43	-	Below the table add following Note: Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 12 months (unless specified)																																																
17.	Appendix-EC, Clause 3.7 Senior Geologist, Note , page 44	-	Below the table add following Note: Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 12 months (unless specified)																																																
18.	Appendix-EC, Clause 3.9 Senior Contract Specialist, Note , page 47	-	Below the table add following Note: Only those projects (in numbers) will be considered for evaluation above, where the input of the personnel is not < 12 months (unless specified)																																																
19.	Appendix-EC, Note applicable to all key personnel, page 47	1. If a key personnel has worked in next lower category to the similar capacity, the marks allotted to key personnel in the category 'experience in similar capacity' shall be reduced to two thirds of marks in this category. This shall be applicable for evaluation of all key personnel.	Deleted.																																																
20.	Section 2, Appendix -EC, Detailed Evaluation Criteria, page 35-44	Similar capacity for the said positions: Resident cum Tunnel Excavation Expert Tunnel Design Engineer Tunnel Safety Expert Senior Geotechnical Expert Senior Geologist	As per Annexure-I.																																																
21.	Appendix-B-1-Technical Proposal Submission Form, page 54	We are hereby submitting our Proposal, which includes this Technical Proposal and a Financial Proposal sealed under a separate envelope for the above-mentioned work.	We are hereby submitting our Proposal, which includes this Technical Proposal and a Financial Proposal submitted online for the above-mentioned work.																																																
22.	Appendix C-3, Break Down of Costs, I. Remuneration for Professional Staff, page 74	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Key Personnel</th> <th>Construction period of 36 months +12 months O&M</th> </tr> </thead> <tbody> <tr> <td align="center" colspan="3">C: Sub Professional Staff</td> </tr> <tr> <td align="center">1</td> <td>Tunnel Ventilation Cum E&M Expert</td> <td align="center">24</td> </tr> <tr> <td align="center">2</td> <td>Bridge/Structural Engineer</td> <td align="center">24</td> </tr> <tr> <td align="center">3</td> <td>Instrumentation & Control Expert (SCADA)</td> <td align="center">18</td> </tr> <tr> <td align="center">4</td> <td>Tunnel Engineer (2 Nos *42)</td> <td align="center">84</td> </tr> <tr> <td align="center">5</td> <td>Tunnel Excavation Expert (1 Nos)</td> <td align="center">24</td> </tr> <tr> <td align="center">6</td> <td>Tunnel Lining (2 nos *24)</td> <td align="center">48</td> </tr> <tr> <td align="center">7</td> <td>Geologist (1 Nos)</td> <td align="center">42</td> </tr> </tbody> </table>	S. No.	Key Personnel	Construction period of 36 months +12 months O&M	C: Sub Professional Staff			1	Tunnel Ventilation Cum E&M Expert	24	2	Bridge/Structural Engineer	24	3	Instrumentation & Control Expert (SCADA)	18	4	Tunnel Engineer (2 Nos *42)	84	5	Tunnel Excavation Expert (1 Nos)	24	6	Tunnel Lining (2 nos *24)	48	7	Geologist (1 Nos)	42	<table border="1"> <thead> <tr> <th>S. No.</th> <th>Key Personnel</th> <th>Construction period of 36 months +12 months O&M</th> </tr> </thead> <tbody> <tr> <td align="center" colspan="3">C: Sub Professional Staff</td> </tr> <tr> <td align="center">1</td> <td>Tunnel Ventilation Cum E&M Expert</td> <td align="center">30</td> </tr> <tr> <td align="center">2</td> <td>Bridge/Structural Engineer</td> <td align="center">30</td> </tr> <tr> <td align="center">3</td> <td>Instrumentation & Control Expert (SCADA)</td> <td align="center">24</td> </tr> <tr> <td align="center">4</td> <td>Tunnel Engineer (2 Nos *42 + 1 no. * 06 (O&M))</td> <td align="center">90</td> </tr> <tr> <td align="center">5</td> <td>Tunnel Excavation Expert (1 No.)</td> <td align="center">30</td> </tr> </tbody> </table>	S. No.	Key Personnel	Construction period of 36 months +12 months O&M	C: Sub Professional Staff			1	Tunnel Ventilation Cum E&M Expert	30	2	Bridge/Structural Engineer	30	3	Instrumentation & Control Expert (SCADA)	24	4	Tunnel Engineer (2 Nos *42 + 1 no. * 06 (O&M))	90	5	Tunnel Excavation Expert (1 No.)	30
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23.	Appendix C-3, Break Down of Local Currency Costs, IV Duty Travel to site (fixed costs) (for all lengths of projects), page 76	The employer may require the Key Personnel to visit the Employer's HQ office or any other office as per direction. The quoted amount should include travel fare for 80 round trip per key personnel to Employer's Head Office for 2 working days (including Air fare, Food, Boarding & Lodging charges, TA/DA, Taxi, etc. Complete).	The employer may require the Key Personnel to visit the Employer's HQ office or any other office as per direction. The quoted amount should include travel fare for 80 round trip to Employer's Head Office for 2 working days (including Air fare, Food, Boarding & Lodging charges, TA/DA, Taxi, etc. Complete).																																																												
24.	Clause V, Appendix C-3, Break Down of Local Currency Costs, page 76	<p><u>V. Office Rent (Fixed Costs) :</u> Independent Engineer's Office of 300 sqm for main office and 50 sqm office during O&M Period with all facility shall be provided by the Concessionaire.</p>	<p><u>V. Accommodation (Fixed Cost):</u> All the Key personnel, sub-professional staff and other staff shall be provided residential accommodation at site preferably in a single building only with following facilities:</p> <ol style="list-style-type: none"> The accommodation shall be equipped with security grills and mosquito netting, and shall be fully furnished. Each house shall be provided with hot and cold water in the kitchen and the bathrooms. All the residential accommodation must have temperature control facility so that temperature is neither more than 24°C nor less than 15°C. Accommodation for professional and sub-professional staff shall be provided an independent unit whereas the support staff & others shall be provided on sharing basis. The Consultant shall provide 3 (three) independent units of accommodation for Project Support Office (PSO)/ Authority which shall have same facilities as provided to key professionals. 																																																												

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25.	Clause VII, Appendix C-3, Break Down of Local Currency Costs, page 77	<p><u>VII. Office Furniture and Equipment (Fixed Rental)</u> The cost shall include rental charges towards all such furniture and equipment as required for proper functioning of office. Office furniture shall include executive tables, chairs, visitor chairs, steel almirahs, computer furniture, conference table etc. Office equipment shall include as a minimum of telephone (2 external & 10 internal lines), photocopier (15ppm, 12000 copies per month with A3 & A4 input), fax machine, PCs(5 No., Intel Core 2 Duo E8300, 19"colour TFT, Cache-6MB, RAM-2 GB, HDD-250 GB, DVD Writer, Key board, optical scroll mouse, MS- Windows Vista Business, pre-loaded anti-virus etc.), laser printers (2 no., 14 ppm, 266 MHZ, 5000 pages per month, 600x600 dpi or better etc., Engineering Plan printer (1 no.), binding machine (1 no.), plotter A0 size, overhead projector, AC (4 no., 1.5 Ton), Water Coolers (as required)etc.</p> <table border="1" data-bbox="613 576 1326 775"> <thead> <tr> <th>Item</th> <th>Nos. of Months</th> <th>Rate/month</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>(i)During construction period</td> <td>36</td> <td></td> <td></td> </tr> <tr> <td>(ii) During O&M Period</td> <td>12</td> <td></td> <td></td> </tr> </tbody> </table>	Item	Nos. of Months	Rate/month	Amount	(i)During construction period	36			(ii) During O&M Period	12			<p><u>VII. Office, Furniture and Equipment (Fixed Rental) :</u> Office Rent (Fixed Costs)-Independent Engineer's Office of 300 sqm of office during construction period and 50 sqm office during O&M Period with all facilities. The cost shall include rental charges towards all such furniture and equipment as required for proper functioning of office. Office furniture shall include executive tables, chairs, visitor chairs, steel almirahs, computer furniture, conference table etc. Office equipment shall include as a minimum of telephone (2 external & 10 internal lines), photocopier (15ppm, 12000 copies per month with A3 & A4 input), fax machine, PCs(5 No., Intel Core 2 Duo E8300, 19"colour TFT, Cache-6MB, RAM-2 GB, HDD-250 GB, DVD Writer, Key board, optical scroll mouse, MS- Windows Vista Business, pre-loaded anti-virus etc.), laser printers (2 no., 14 ppm, 266 MHZ, 5000 pages per month, 600x600 dpi or better etc., Engineering Plan printer (1 no.), binding machine (1 no.), plotter A0 size, overhead projector, AC (4 no., 1.5 Ton), Water Coolers (as required)etc.</p> <table border="1" data-bbox="1352 735 1998 935"> <thead> <tr> <th>Item</th> <th>Nos. of Months</th> <th>Rate/month</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>(i)During construction period</td> <td>36</td> <td></td> <td></td> </tr> <tr> <td>(ii) During O&M Period</td> <td>12</td> <td></td> <td></td> </tr> </tbody> </table>	Item	Nos. of Months	Rate/month	Amount	(i)During construction period	36			(ii) During O&M Period	12		
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26.	Enclosure – A Man - months input for key professional staff – page 103	S. No.	Key Personnel	Man-month in Construction period of 36 months	Man-month in O&M Period of 12 months	S. No.	Key Personnel	Man-month in Construction period of 36 months	Man-month in O&M Period of 12 months
		C: Sub Professional Staff					C: Sub Professional Staff		
		1	Tunnel Ventilation Cum E&M Expert	24	06	1	Tunnel Ventilation Cum E&M Expert	24	06
		2	Bridge/Structural Engineer	24	06	2	Bridge/Structural Engineer	24	06
		3	Instrumentation & Control Expert (SCADA)	18	06	3	Instrumentation & Control Expert (SCADA)	18	06
		4	Tunnel Engineer (2 Nos *42)	84	06	4	Tunnel Engineer (2 Nos *42 + 1 no. * 06 (O&M))	84	06
		5	Tunnel Excavation Expert (1 Nos)	24	06	5	Tunnel Excavation Expert (1 No.)	24	06
		6	Tunnel Lining (2 nos *24)	48	06	6	Tunnel Lining (2 nos *24 + 1 no. * 06 (O&M))	48	06
		7	Geologist (1 Nos)	42	00	7	Geologist (1 No.)	42	00
		8	Quantity Surveyor (1 Nos)	42	06	8	Quantity Surveyor (1 No.)	42	06
		9	Assistant Highway Engineer	30	06	9	Assistant Highway Engineer	30	06
		10	Assistant Bridge / Structural Engineer	18	06	10	Assistant Bridge / Structural Engineer	18	06
		11	Assistant Quality cum material Engineer (2 Nos *42)	84	06	11	Assistant Quality cum material Engineer (2 Nos *42 + 1 no * 06 (O&M))	84	06
		12	Safety Engineer	48	06	12	Safety Engineer	42	06
		13	Environmental Engineer	12	04	13	Environmental Engineer	12	04
		14	Survey Engineer (01 No.)	30	06	14	Survey Engineer (01 No.)	30	06
		15	CAD Expert (01 No.)	42	06	15	CAD Expert (01 No.)	42	06
		16	Lab Technician (01 No.)	42	06	16	Lab Technician (01 No.)	42	06
27.	Enclosure – A Man - months input for key professional staff, Note, page 104	4.The Financial Expert or Legal expert or Sr. Contract Specialist may be required for the project for specific needs. Their deployment shall be arranged by the Consultant on specific requisition from the Authority and the payment shall be made as per the actual deployment. The Financial Expert or Legal expert or Sr. Contract Specialist shall be paid at the rates quoted for Senior Pavement Specialist.				4.The Financial Expert or Legal expert may be required for the project for specific needs. Their deployment shall be arranged by the Consultant on specific requisition from the Authority and the payment shall be made as per the actual deployment. The Financial Expert or Legal expert shall be paid at the rates quoted for Sr. Contract Specialist .			
28.	Enclosure B, Qualification of Key Personnel, Team Leader cum Sr. Tunnel	(1) Essential Qualifications. (b) Total professional experience of at least 20 years.				(1) Essential Qualifications. (b) Total professional <i>International</i> experience of at least 5 years in handling <i>major tunnel projects</i> . (h) He should have handled as Team Leader or similar			



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	Engineer, page 105		capacity of at least two projects in Construction Supervision of transportation tunnels projects of length equal to or more than 4 km of similar category of tunnel outside India .
		Note: (1) Similar Capacity includes the following positions i) On behalf of Consultant: Team Leader / Resident Engineer /Professional Engineer/ Chartered Engineer (Construction Supervision/IE/AE)	Note: (1) Similar Capacity includes the following positions i) On behalf of Consultant: Team Leader / Resident Engineer/ Senior Tunnel Expert/ Tunnel Expert /Professional Engineer/ Chartered Engineer (Construction Supervision/IE/AE)
29.	Enclosure B, Qualification of Key Personnel, Resident Engineer cum Tunnel Excavation Expert, page 106	-	(1) Essential Qualifications. (h) Total professional <i>International</i> experience of at least 5 years in handling <i>major tunnel projects</i> . (i) He should have handled an International Experience as Tunnel Excavation Expert or similar capacity of at least two projects in Construction Supervision of transportation tunnels projects of length equal to or more than 4 km of similar category of tunnel.
30.	Enclosure B, Qualification of Key Personnel, Tunnel Design Engineer, page 107	-	(1) Essential Qualifications. (h) Total professional <i>International</i> experience of at least 5 years in handling <i>major tunnel projects</i> . 2) Preferential Qualifications. (a) Post Graduation in Design/Structural Engineering or equivalent
31.	Enclosure B, Qualification of Key Personnel, Tunnel Safety Expert, page 108	(1) Essential Qualifications. (a) Graduate in Engineering from recognized university or equivalent. (c) Experience of at least 7 years in transportation tunnel safety management in developed countries	(1) Essential Qualifications. (a) Graduate in Civil/Mining Engineering from recognized university or equivalent. (c) International Experience of at least 7 years in transportation tunnel safety management.



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32.	Enclosure B, Qualification of Key Personnel, Senior Geotechnical Expert, page 108	<p>(1) Essential Qualifications.</p> <p>(c) Experience of at least 10 years in Construction / Construction Supervision of transportation tunnel projects in developed countries.</p>	<p>1) Essential Qualifications.</p> <p>(c) Experience of at least 10 years in Construction / Construction Supervision of transportation tunnel projects.</p>
33.	Clause 7.1, Performance Security, page 23	<p>The successful consulting firm shall have to submit a Bank Guarantee (BG) for an amount of 5% of the Contract Value within 15 days of issue of LOA. The BG shall be valid for a period of [48+2] i.e. upto 2 months beyond the expiry of the Contract period of [48 months]. The BG shall be in the format specified in Appendix H of draft contract form and furnished from a Nationalised Bank, IDBI or ICICI/ICICI Bank/Foreign Bank/EXIM Bank / Any Scheduled Commercial Bank approved by RBI having a net worth of not less than 1000 crore as per latest Annual Report of the Bank. In the case of a Foreign Bank (issued by a Branch in India) the net worth in respect of Indian operations shall only be taken into account. In case of Foreign Bank, the BG issued by Foreign Bank should be counter guaranteed by any Nationalised Bank in India. In case of JV, the BG shall be furnished on behalf of the JV and not individually by the members.</p> <p>Further, in case where the bid of the successful consulting firm is less than 85% of the average of all bids received, the successful consulting firm shall have to submit an Additional Performance Security (APS) in the form of a Bank Guarantee for 30% of the differential value between the successful bid and average of all the bids received. The BG shall be valid for a period of [48+2] months i.e. upto 2 months beyond the expiry of the Contract of [48] months. The other requirements of APS are same as those of Performance Security.</p>	<p>The successful consulting firm shall have to submit a Bank Guarantee (BG) for an amount of 5% of the Contract Value within 15 days of issue of LOA. The BG shall be valid for a period of [48+2] i.e. upto 2 months beyond the expiry of the Contract period of [48 months]. The BG shall be in the format specified in Appendix H of draft contract form. The successful consulting firm shall furnish to the Authority an irrevocable and unconditional guarantee issued by the Public Sector Banks or Scheduled Private Banks having the Net Worth of Rs 1,000/- crores or more as per the latest annual report of the bank, in favour of the Authority. The list of such banks is mentioned as below. The Authority reserves the right to add or remove any of names bank on which BG shall be accepted based on advisories from the Govt./RBI. The BGs issued by 'Foreign Banks' and Banks not mentioned in the given list shall not be accepted.</p>



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			<p>List of Public Sector Banks and Scheduled Private Sector Banks</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">List of Scheduled Public Sector Banks</th> <th style="text-align: left;">List of Private Sector Banks</th> </tr> </thead> <tbody> <tr> <td>1. Bank of Baroda</td> <td>1. Axis Bank Ltd.</td> </tr> <tr> <td>2. Bank of India</td> <td>2. Bardhan Bank Ltd.</td> </tr> <tr> <td>3. Bank of Maharashtra</td> <td>3. CSB Bank Ltd.</td> </tr> <tr> <td>4. Canara Bank</td> <td>4. City Union Bank Ltd.</td> </tr> <tr> <td>5. Central Bank of India</td> <td>5. DCB Bank Ltd.</td> </tr> <tr> <td>6. Indian Bank</td> <td>6. Federal Bank Ltd.</td> </tr> <tr> <td>7. Indian Overseas Bank</td> <td>7. HDFC Bank Ltd.</td> </tr> <tr> <td>8. Punjab National Bank</td> <td>8. ICICI Bank Ltd.</td> </tr> <tr> <td>9. Punjab & Sind Bank</td> <td>9. Indusind Bank Ltd.</td> </tr> <tr> <td>10. State Bank of India</td> <td>10. IDFC First Bank Ltd.</td> </tr> <tr> <td>11. UCO Bank</td> <td>11. Jammu & Kashmir Bank Ltd.</td> </tr> <tr> <td>12. Union Bank of India</td> <td>12. Karnataka Bank Ltd.</td> </tr> <tr> <td></td> <td>13. Karur Vysya Bank Ltd.</td> </tr> <tr> <td></td> <td>14. Kotak Mahindra Bank Ltd.</td> </tr> <tr> <td></td> <td>15. Lakshmi Vilas Bank Ltd.</td> </tr> <tr> <td></td> <td>16. RBL Bank Ltd.</td> </tr> <tr> <td></td> <td>17. South Indian Bank Ltd.</td> </tr> <tr> <td></td> <td>18. Tamilnadu Mercantile Bank Ltd.</td> </tr> <tr> <td></td> <td>19. YES Bank Ltd.</td> </tr> <tr> <td></td> <td>20. IDBI Bank Ltd.</td> </tr> </tbody> </table>	List of Scheduled Public Sector Banks	List of Private Sector Banks	1. Bank of Baroda	1. Axis Bank Ltd.	2. Bank of India	2. Bardhan Bank Ltd.	3. Bank of Maharashtra	3. CSB Bank Ltd.	4. Canara Bank	4. City Union Bank Ltd.	5. Central Bank of India	5. DCB Bank Ltd.	6. Indian Bank	6. Federal Bank Ltd.	7. Indian Overseas Bank	7. HDFC Bank Ltd.	8. Punjab National Bank	8. ICICI Bank Ltd.	9. Punjab & Sind Bank	9. Indusind Bank Ltd.	10. State Bank of India	10. IDFC First Bank Ltd.	11. UCO Bank	11. Jammu & Kashmir Bank Ltd.	12. Union Bank of India	12. Karnataka Bank Ltd.		13. Karur Vysya Bank Ltd.		14. Kotak Mahindra Bank Ltd.		15. Lakshmi Vilas Bank Ltd.		16. RBL Bank Ltd.		17. South Indian Bank Ltd.		18. Tamilnadu Mercantile Bank Ltd.		19. YES Bank Ltd.		20. IDBI Bank Ltd.
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34.	General	-	<p>Further, in case where the bid of the successful consulting firm is less than 85% of the average of all bids received, the successful consulting firm shall have to submit an Additional Performance Security (APS) in the form of a Bank Guarantee for 30% of the differential value between the successful bid and average of all the bids received subject to maximum of 10% of the contract value. The BG shall be valid for a period of [132+2] months i.e. upto 2 months beyond the expiry of the Contract of [132] months. The other requirements of APS are same as those of Performance Security.</p> <p>Format for Power of Attorney is attached as per Annexure-II.</p>																																										
35.	Clause 14.1, Section-6, TOR, page no. 101	<p>List of key personnel to be fielded by the Consultants shall be as below:</p> <ul style="list-style-type: none"> (i) Team Leader Cum Senior Tunnel Expert (ii) Tunnel Design Engineer (iii) Senior Geologist (iv) Senior E&M Expert (v) Tunnel Safety Expert (vi) Tunnel Ventilation Expert 	<p>List of key personnel to be fielded by the Consultants shall be as below:</p> <ul style="list-style-type: none"> (i) Team Leader Cum Senior Tunnel Expert (ii) Resident Engineer cum Tunnel Excavation Expert (iii) Resident cum Highway Engineer (iv) Tunnel Design Engineer (v) Tunnel Safety Expert (vi) Senior Geotechnical Expert 																																										



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		(vii) Tunnel Excavation Expert (viii) Tunnel Lining Expert	(vii) Senior Geologist (viii) Senior Quality cum Material Expert (ix) Sr. Contract Specialist
36.	Clause 2.4, SCC, page no. 259	The time period shall be 48 months (42 months for construction period + 6 months during development and O&M period)	The time period shall be 48 months (36 months for construction period + 12 months during development and O&M period)
37.	Clause 6.2 (d), Remuneration and Reimbursable Expenditures, GCC, Page 253 of 278	-	Following Note is added below the table: It is clarify that the Tunnel Design Expert (TDE) may be allowed to work from the consultants' office along with the condition as specified in RFP and Amendment no. 2. If TDE not visited the site, 1(one) month salary will be deducted.
38.	BOQ	Existing BoQ	Modified BoQ.

B. Shivprasad
General Manager (T)
07.11.2020



National Highways & Infrastructure Development Corporation Limited

Annexure-I

SIMILAR CAPACITY FOR:

Resident cum Tunnel Excavation Expert:

- (i) On the behalf of Consultant: Resident Engineer/Tunnel Design Engineer/Tunnel Engineer /Tunnel Excavation Engineer.
- (ii) On behalf of Contractor: Resident Engineer/Tunnel Engineer /Tunnel Excavation Engineer /Project Manager.
- (iii) In Government Organizations: Superintendent Engineer (or equivalent) and above.

Tunnel Design Engineer:

- (i) *On the behalf of Consultant/Contractor:* Tunnel Design Engineer/Tunnel Designer
- (ii) *In Government Organizations:* Superintendent Engineer (or equivalent) and above

Tunnel Safety Expert:

- (i) *On the behalf of Consultant/Contractor:* Tunnel Safety Engineer/Tunnel Safety Expert
- (ii) *In Government Organizations:* Superintendent Engineer (or equivalent) and above

Senior Geologist:

- (i) *On the behalf of Consultant/Contractor:* Senior Geologist
- (ii) *In Government Organizations:* Superintendent Engineer (or equivalent) and above

Senior Geotechnical Expert:

- (i) *On the behalf of Consultant/Contractor:* Senior Geotechnical Engineer
- (ii) *In Government Organizations:* Superintendent Engineer (or equivalent) and above



National Highways & Infrastructure Development Corporation Limited

Annexure-II

Format of Power of Attorney

(To be executed on Stamp/e-stamp paper of not less than Rs 100)

POWER OF ATTORNEY

Know all men by these presents, We, M/s. (hereinafter referred to as "the Company"), having our registered office at, acting through Mr./Mrs./Miss, the Chairman/MD/CEO of the Company, in whom under the Articles of Association of the Company and by resolution of Board of Directors, certain powers are vested including the power to appoint any person to be the attorney of the Company, do hereby constitute, nominate, appoint and authorise Mr./Mrs., Son/Daughter of Mr./Mrs., and presently residing at, who is presently employed with us and holding the position ofas our true and lawful attorney (hereinafter referred to as "**the Authorised Representative**") to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our proposal for "**Independent Engineer services for Construction, Operation and Maintenance of Z-Morh tunnel including approaches on National Highways No.1 (Srinagar Sonamarg Gumri Road) in the UT of J&K on Design, Build, Finance, Operate and Transfer (DBFOT) Annuity basis**" ("**Project**") to be developed by National Highways & Infrastructure Development Corporation Limited (NHIDCL), Government of India (hereinafter referred to as "**the Authority**") including but not limited to, signing and submission of all applications, proposals and other documents and writings, participating in pre-bid and other conferences and providing information/responses to the Authority, representing us in all matters before the Authority, signing and execution of all contracts and undertakings consequent to acceptance of our proposal and generally dealing with the Authority in all matters in connection with or relating to or arising out of our Proposal for the said Project and/or upon award thereof to us till the entering into of the Agreement with the Authority.

AND, we do hereby agree to ratify and confirm all acts, deeds and things lawfully done or caused to be done by our said Authorised Representative pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Authorised Representative in exercise of the powers hereby conferred shall and shall always be deemed to have done by us.



National Highways & Infrastructure Development Corporation Limited

IN WITNESS WHEREOF WE, M/s....., ACTING THROUGH ITS CHAIRMAN/MD/CEO, Mr., THE ABOVE NAMED PRINCIPAL, HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF MONTH, 2020.

For M/s.....

.....

(Name)

.....

(Designation)

.....

(Address)

Witness:

- 1.
- 2.

Notarised

Accepted

.....

(Name)

.....

(Designation)

.....

(Address)

Note: The Power of Attorney must be accompanied by Board Resolution.

