

NATIONAL HIGHWAYS & INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED

2023_NHIDC_785075_1

19.01.2024

Subject: Consultancy Services as Authority's Engineer for Supervision of "Construction of Twin Tube Uni-directional Aizawl Bypass Tunnel of 2.5 km and its approaches of 2.1 km from km 10.600 to km 15.200 (Package-2) on Sairang - Phaibawk section of NH-6 in the State of Mizoram on EPC Mode.

Amendment No-1

S.N.	Reference section/ clause no./ Annexure/Items	Existing Provision					Modified Provision				
		S. No.	Description	Max. Marks	Reference/ Details of projects claimed for self - assessment	Marks self- assesses by the bidder	S. No.	Description	Max. Marks	Reference/ Details of projects claimed for self - assessment	Marks self- assesses by the bidder
1	Para-5 Clause 1. Evaluation Criteria for assessment of Experience of the Firm of the Firm of Appendix EC, of the RFP	3	Experience Independent of length equal to 1.00 km (40% of similar category 10 years 1 project - 8 marks Add 1(one) mark extra for completed assignment of Authority Engineer/ Independent Engineer and add 0.5 (Zero point five) marks extra for completed assignment of supervision consultancy subject to maximum 2 (Two) marks.	10			3	Experience as Independent of length equal to 1.50 km (60% of similar category 10 years 1 project - 8 marks Add 1(one) mark extra for completed assignment of Authority Engineer/ Independent Engineer and add 0.5 (Zero point five) marks extra for completed assignment of supervision consultancy subject to maximum 2 (Two) marks.	10		

S.N.	Reference section/ clause no./ Annexure/Items	Existing Provision			Modified Provision		
		4	Experience..... of length 1.00 km (40% of ... last 10 years. 1 project - 4 marks, Add 0.5 (Zero point five) marks extra for each additional project subject to maximum 1 mark.	5	4	Experience ... of length 1.50 km (60% of ... last 10 years. 1 project - 4 marks, Add 0.5 (Zero point five) marks extra for each additional project subject to maximum 1 mark.	5
		5	In hand DPRs for Authority (Ministry /NHAI/NHIDCL-As applicable) Tunnel Projects (presently under progress)	10	5	In hand DPRs for Authority (Ministry /NHAI/NHIDCL- International Government Authorities Projects (presently under progress)	10
		5.1	<2	0	5.1	<2	0
		5.2	2-5	5	5.2	2-5	5
		5.3	>5	10	5.3	>5	10
2.	1(b) of 16 (A) Eligibility for sole applicant firm	1b)	Firm.....	Firm should have also experience of Project Supervision/ Independent Engineer / Authority's Engineer of at least one Tunnel Project of similar category ** of the project length equal to 1.00Km (40% of the project tunnel length)	1b)	Firm.....	Firm should have also experience of Project Supervision/ Independent Engineer / Authority's Engineer of at least one Tunnel Project of similar category ** of the project length equal to 1.50 Km (60% of the project tunnel length)

S.N.	Reference section/ clause no./ Annexure/Items	Existing Provision	Modified Provision
3	3.1 Team Leader cum Senior Tunnel Engineer of Appendix EC of Section-1	2 Adequacy for the Project	2 Adequacy for the Project
		B Experience in Similar Capacity	B Experience in Similar Capacity
		b i) Experience as Team Leader or similar capacity in construction supervision of major tunnel projects (Road/Rail/Metro) of length equal to or more than 4 Km <5 years - 0 marks 5 years - 7 marks Add 1.5 marks extra for each additional year of experience subject to maximum 3 marks	b i) Experience as Team Leader or similar capacity in construction supervision of major tunnel projects (Road/Rail/Metro) of length equal to or more than 1.5 Km <5 years - 0 marks 5 years - 7 marks Add 1.5 marks extra for each additional year of experience subject to maximum 3 marks
		b ii) Experience as Team Leader or similar capacity of project Preparation/Design of tunnel projects (Road/Rail/Metro) of length 4 Km or more 1 Project - 8 marks Add 1 mark extra for each additional projects subject to maximum 2 marks.	b ii) Experience as Team Leader or similar capacity of project Preparation/Design of tunnel projects (Road/Rail/Metro) of length 1.5 Km or more 1 Project - 8 marks Add 1 mark extra for each additional projects subject to maximum 2 marks.
4.	3.2 Resident cum Tunnel Excavation Expert of Appendix EC of Section-1	b iii) Experience as Team Leader or similar capacity in construction supervision of tunnels (Road/Rail/Metro) of length 4 km or more <2 project - 0 marks 2 Projects - 15 marks Add 1.25 mark extra for each additional projects subject to maximum 5(five) marks.	b iii) Experience as Team Leader or similar capacity in construction supervision of tunnels (Road/Rail/Metro) of length 1.5 Km or more <2 project - 0 marks 2 Projects - 15 marks Add 1.25 mark extra for each additional projects subject to maximum 5(five) marks.
		Maximum Age: 65 Years	
		2 Adequacy for the Project	2 Adequacy for the Project
		B Experience in Similar Capacity	B Experience in Similar Capacity
		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	b ii) Experience as Tunnel Excavation Expert or similar capacity in construction supervision of tunnel projects (Road/Rail/Metro) of minimum length of 1.5 km (Minimum one year supervision in a project) < 2 projects - 0 2 projects - 15 marks
		20	20

S.N.	Reference section/ clause no./ Annexure/Items	Existing Provision	Modified Provision
		Add 2.5 marks extra for each additional projects subject to 5 (five) marks. Experience in tunnel design/ DPR/preparation/feasibility study/design review involving major tunnel projects (Road/Rail/Metro) of minimum length of 4 km (minimum 1 year experience in a project) 1 project - 7 marks Add 1 mark extra for each additional projects subject to maximum 3 (three) marks Maximum Age: 65 Years	Add 2.5 marks extra for each additional projects subject to 5 (five) marks. Experience in tunnel design/ DPR/preparation/feasibility study/design review involving major tunnel projects (Road/Rail/Metro) of minimum length of 1.5 km (minimum 1 year experience in a project) 1 project - 7 marks Add 1 mark extra for each additional projects subject to maximum 3 (three) marks Maximum Age: 70 Years
5	3.4 Tunnel Design Engineer of Appendix EC of Section-1	2 Adequacy for the Project B Experience in Similar Capacity Experience in similar capacity in Project Preparation/DPR involving design of tunnels (Road/Rail/Metro) of more than 4 km length (Min. 1 year experience in a project) < 3 projects - 0 3 projects - 11 marks Add 1 mark extra for each additional projects subject to maximum 4 (four) marks. 15	2 Adequacy for the Project B Experience in Similar Capacity Experience in similar capacity in Project Preparation/DPR involving design of tunnels (Road/Rail/Metro) of equal to or more than 1.5 km length (Min. 1 year experience in a project) < 3 projects - 0 3 projects - 11 marks Add 1 mark extra for each additional projects subject to maximum 4 (four) marks. 15
		b ii) Experience in similar capacity in construction projects involving design/design review of tunnels of more than 4 Km length (Min. 1 year experience in project) <2 projects - 0 2 projects - 7 marks Add 1.5 mark extra for each additional projects subject to maximum 3(three) marks. Maximum Age: 65 Years	b ii) Experience in similar capacity in construction projects involving design/design review of tunnels of equal to or more than 1.5 Km length (Min. 1 year experience in project) <2 projects - 0 2 projects - 7 marks Add 1.5 mark extra for each additional projects subject to maximum 3(three) marks. Maximum Age: 70 Years

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6	3.5 -Tunnel Safety Expert of Appendix EC of Section-1	<table> <tr> <td>2</td><td>Adequacy for the Project</td><td></td><td></td></tr> <tr> <td>B</td><td>Experience in Similar Capacity</td><td></td><td></td></tr> <tr> <td>b i)</td><td>Experience in similar capacity of Tunnel Safety Audits during construction stage of tunnel projects (Road/Rail/Metro) of minimum length of 4 Km < 2 projects - 0 2 projects - 15 marks Add 1.25 mark extra for each additional projects subject to maximum 5 (five) marks.</td><td>15</td><td></td></tr> <tr> <td>b ii)</td><td>.....</td><td></td><td></td></tr> <tr> <td>c)</td><td>Experience in construction of major tunnel projects (Road/Rail/Metro) using 1 Project.....</td><td>...</td><td></td></tr> </table> Maximum Age: 65 Years	2	Adequacy for the Project			B	Experience in Similar Capacity			b i)	Experience in similar capacity of Tunnel Safety Audits during construction stage of tunnel projects (Road/Rail/Metro) of minimum length of 4 Km < 2 projects - 0 2 projects - 15 marks Add 1.25 mark extra for each additional projects subject to maximum 5 (five) marks.	15		b ii)				c)	Experience in construction of major tunnel projects (Road/Rail/Metro) using 1 Project.....	...		<table> <tr> <td>2</td><td>Adequacy for the Project</td><td></td><td></td></tr> <tr> <td>B</td><td>Experience in Similar Capacity</td><td></td><td></td></tr> <tr> <td>b i)</td><td>Experience in similar capacity of Tunnel Safety Audits during construction stage of tunnel projects (Road/Rail/Metro) of minimum length of 1.5 Km < 2 projects - 0 2 projects - 10 marks Add 1.25 mark extra for each additional projects subject to maximum 5 (five) marks.</td><td>15</td><td></td></tr> <tr> <td>b ii)</td><td>.....</td><td></td><td></td></tr> <tr> <td>C)</td><td>Experience in construction of major tunnel projects (Road/Rail/Metro) using NATM 1 Project.....</td><td>...</td><td>5</td></tr> </table> Maximum Age: 70 Years	2	Adequacy for the Project			B	Experience in Similar Capacity			b i)	Experience in similar capacity of Tunnel Safety Audits during construction stage of tunnel projects (Road/Rail/Metro) of minimum length of 1.5 Km < 2 projects - 0 2 projects - 10 marks Add 1.25 mark extra for each additional projects subject to maximum 5 (five) marks.	15		b ii)				C)	Experience in construction of major tunnel projects (Road/Rail/Metro) using NATM 1 Project.....	...	5
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7	3.7 Senior Geotechnical Expert of Appendix EC of Section-1	<table> <tr> <td>2</td><td>Adequacy for the Project</td><td></td><td></td></tr> <tr> <td>B</td><td>Experience in Similar Capacity</td><td></td><td></td></tr> <tr> <td>b i)</td><td>Experience as Geotechnical engineer or similar capacity in construction/ construction supervision of at least 4 tunnel projects (Road/Rail/Metro) of length equal to or more than 4 km < 4 projects - 0 4 projects -17 marks Add 2 mark extra for each additional project subject to maximum 8 (eight) marks</td><td>25</td><td></td></tr> <tr> <td>b(ii)</td><td>.....</td><td>.....</td><td></td></tr> </table>	2	Adequacy for the Project			B	Experience in Similar Capacity			b i)	Experience as Geotechnical engineer or similar capacity in construction/ construction supervision of at least 4 tunnel projects (Road/Rail/Metro) of length equal to or more than 4 km < 4 projects - 0 4 projects -17 marks Add 2 mark extra for each additional project subject to maximum 8 (eight) marks	25		b(ii)				<table> <tr> <td>2</td><td>Adequacy for the Project</td><td></td><td></td></tr> <tr> <td>B</td><td>Experience in Similar Capacity</td><td></td><td></td></tr> <tr> <td>b i)</td><td>Experience as Geotechnical engineer or similar capacity in construction/ construction supervision of at least 4 tunnel projects (Road/Rail/Metro) of length equal to or more than 1.5 km < 4 projects - 0 4 projects -17 marks Add 2 mark extra for each additional project subject to maximum 8 (eight) marks</td><td>25</td><td></td></tr> <tr> <td>b(ii)</td><td>.....</td><td>.....</td><td></td></tr> </table>	2	Adequacy for the Project			B	Experience in Similar Capacity			b i)	Experience as Geotechnical engineer or similar capacity in construction/ construction supervision of at least 4 tunnel projects (Road/Rail/Metro) of length equal to or more than 1.5 km < 4 projects - 0 4 projects -17 marks Add 2 mark extra for each additional project subject to maximum 8 (eight) marks	25		b(ii)											
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8	3.8 Senior GEOLOGIST of Appendix EC of Section-1	2 Adequacy for the Project B Experience in Similar Capacity b Experience in similar capacity in highway tunnel construction/construction supervision with minimum length of 4 Km < 2.projects - 0 2 project - 7 marks Add 1.5 marks extra for each additional projects subject to maximum 3 (three) marks. 10	2 Adequacy for the Project B Experience in Similar Capacity b Experience in similar capacity in highway tunnel construction/construction supervision with minimum length of 1.5 Km < 2 projects - 0 2 project - 7 marks Add 1.5 marks extra for each additional projects subject to maximum 3 (three) marks. 10
9	Para10 i. of DATASHEET	Average Nos of Highway..... Experience as Independent Engineer/Authority Engineer/ of length equal to 0.75 km (40% of similar category for which RFP is invited) or more in last 10 years* Experience in DPR 1.00 km (40% of similar category for which RFP invited) or more in last 10years* In hand DPRs for Authority (Ministry /NHAI/NHIDCL-As applicable) Tunnel Projects (presently under progress) Experience in in last 7 years.	Average Nos of Highway..... Experience as Independent Engineer/Authority Engineer/ of length equal to 1.50 km (60% of similar category for which RFP is invited) or more in last 10 years* Experience in DPR 1.50 km (60% of similar category for which RFP in last 10years* In hand DPRs for Authority (Ministry /NHAI/NHIDCL International Government Authorities Projects) Tunnel Projects (presently under progress) Experience in in last 7 years.
		2	2
		10	10
		10	10
		5	5
		10	10
		3	3

S.N.	Reference section/ clause no./ Annexure/Items	Existing Provision	Modified Provision
10	Appendix A	vii. Experience as Authority Engineer/Independent Consultant/Construction supervision of Highway projects, separately for PPP and non-PPP Projects during the last 7 years. ***	vii. Experience as Authority Engineer/Independent Consultant/Construction supervision of Tunnel projects, separately for PPP and non-PPP Projects during the last 10 years. ***
11		viii. Experience in DPR/ Feasibility Study cum Preliminary Design Report preparation of 2/4/6 laning / Bridge Highway Projects separately for the PPP and non-PPP projects during the last 7 years. ***	viii. Experience in DPR/ Feasibility Study cum Preliminary Design Report preparation of Tunnel Projects separately for the PPP and non-PPP projects during the last 10 years. ***
12		***a) 2/4/6 lane/Bridge work 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 lane 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.3.0 crores. For standalone bridge projects, experience in bridge work (either standalone project or as a part of road project) only be considered.	*** a) Similar Category of project means Tunnel project having twin tube (including tunnel(s) for roads/Railway /Metro rail/ irrigation/ hydro-electric etc.) having at least 5-meter diameter (each tube) or 2lane highway tunnel for which RFP is invited. For this tunnel project having twin tube (including tunnel(s) for roads/Railway /Metro rail/ irrigation/ hydro-electric etc.) having at least 5-meter diameter (each tube) or 2 lane highway tunnel experience of more than twin tubes (including tunnel(s) for roads/Railway /Metro rail/ irrigation/ hydro-electric etc.) having at least 5-meter diameter (each tube) or 4/6 lane highway tunnel also to be considered with a multiplication factor of 1.5. Experience of single tube tunnel (including tunnel(s) for Railway /Metro rail/ irrigation/ hydro-electric etc.) having at least 5 m diameter will be considered with a multiplication factor of 0.4.
13	Section 4: Format for submission of Technical Proposal	Appendix B-11 Details of Ongoing and Awarded works in NHIDCL	Appendix B-11 Bank Guarantee Format For Bid Security
14	BOQ	BOQ dt. 13.12.2023	Appendix B-12 Certificate regarding Compliance with Restrictions under Rule 144 (xi) of the General Financial Rules(GFRs)
15	Clause 12.2 of Section 6: Terms of Reference for Authority's Engineer	Broad The age of the Key Personnel should not be more than 65 years on the date of submission of proposal. of Employer.	Modified BOQ Broad The age of the Key Personnel should not be more than 65 years on the date of submission of proposal except for Team Leader cum Senior Tunnel Expert, Resident Engineer cum Excavation Specialist, Tunnel Design Engineer, Tunnel Safety Expert & Senior Geotechnical Engineer where the age limit allowed is 70 years maximum. of Employer.

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16	Para-9 of Section 1: Information To Consultants	The Consultant e-Bank Guarantee (E-BG) (as per the format specified in Appendix B11 of this RFP document) or in the form of Demand Draft or may be deposited through online facility provided by the IndusInd Bank (the “ Bid Security ”),	The Consultant e-Bank Guarantee/ Physical BG (in case it is not possible to furnish e-BG) (as per the format specified in Appendix B11 of this RFP document) or in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker’s Cheque, Demand Draft or may be deposited through online facility provided by the IndusInd Bank (the “ Bid Security ”),																								
17	Para 4.1(iv) Preparation & Submission Of Applications Of Section 2: Letter Of Invitation To Consultants	Bid Security E-Bank Guarantee or Demand Draft or may be deposited through online facility provided by the IndusInd Bank and the format specified in this document;	Bid Security E-Bank Guarantee/ Physical BG (in case it is not possible to furnish e-BG) or Demand Draft, an Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker’s Cheque or may be deposited through online facility provided by the IndusInd Bank and the format specified in this document;																								
18	Performance Security Clause 7.1 of LOI of section-2	The successful consulting firm Performance Security be furnished in the form of E-Bank Guarantee (E-BG)	The successful consulting firm Performance Security may be furnished in the form of E-Bank Guarantee (E-BG)/ Physical BG (in case it is not possible to furnish e-BG), Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt from a commercial bank																								
19	NIT & RFP	<table><tr><th>Sl. No.</th><th>Description</th><th>Date & Time</th></tr><tr><td>5.</td><td>Bid submission start date</td><td>23.01.2024at 1500 Hrs</td></tr><tr><td>6.</td><td>Bid Due Date</td><td>29.01.2024at 1500 Hrs</td></tr><tr><td>7.</td><td>Opening of Technical BIDs at venue</td><td>30.01.2024at 1530 Hrs</td></tr></table>	Sl. No.	Description	Date & Time	5.	Bid submission start date	23.01.2024at 1500 Hrs	6.	Bid Due Date	29.01.2024at 1500 Hrs	7.	Opening of Technical BIDs at venue	30.01.2024at 1530 Hrs	<table><tr><th>Sl. No.</th><th>Description</th><th>Date & Time</th></tr><tr><td>6.</td><td>Bid submission start date</td><td>09.02.2024at 1500 Hrs</td></tr><tr><td>7.</td><td>Bid Due Date</td><td>13.02.2024at 1500 Hrs</td></tr><tr><td>8.</td><td>Opening of Technical BIDs at venue</td><td>14.02.2024at 1530 Hrs</td></tr></table>	Sl. No.	Description	Date & Time	6.	Bid submission start date	09.02.2024at 1500 Hrs	7.	Bid Due Date	13.02.2024at 1500 Hrs	8.	Opening of Technical BIDs at venue	14.02.2024at 1530 Hrs
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M. Khalid

(Mohammad Khalid)
General Manager(T)