

**National Highways & Infrastructure Development Corporation Limited**

2023\_NHIDC\_754748\_1

14.07.2023

Subject : Consultancy Services for Feasibility Study, Preparation of Detailed Project Report and providing pre-construction services for "Construction of Twin Tube Uni-directional Tunnel (10.8 km) under Ganesh top hill including approaches from D.ch. 60.400 (Chandanwadi) to D.Ch. 82.700 (Near Sangam Top ) on Khanabal-Baltal section of NH-501 in the under UT of Jammu & Kashmir on EPC Mode.

**Amendment No. IV**

Sl. No.	Reference Section/Clause No./Annexure/Items	Existing Provision		Modified Provision (To be read as)			
1	Data Sheet, Clause 12.1 Table-1: Minimum Eligibility Requirements, Pg. 37	Sr. No.	Minimum experience ....DPR of Highways / Bridges in the last 7 years (NH/SH/Equivalent) (for past .... arbitration).	Annual average turnover	Sr. No.	Minimum experience ....DPR of Highways / <del>Bridges</del> <b>Tunnels</b> in the last <del>7</del> <b>10</b> years (NH/SH/Equivalent) (for past .... arbitration).	Annual average turnover
		1	Firm ..... not be considered.	Annual.....Rs.5.00 Cr.	1	Firm ..... not be considered.	Annual.....Rs.5.00 Cr.

Sl. No.	Reference Section/Clause No./Annexure/Items	Existing Provision		Modified Provision (To be read as)		
2	Data Sheet, Enclosure - II : Qualification Requirements of Key Personnel, Pg. 178	Senior Geophysicist		Senior Geophysicist		
		I	Educational .....	I	Educational Qualification	
			Essential	Graduate .... equivalent.	Essential	Graduate in Geophysics/Geo science/ Earth science or equivalent.
			Desirable	Post ..... equivalent	Desirable	Post Graduation in Geophysics/Geo science/ Earth science or equivalent
		II	Essential Experience		II	Essential Experience
			a) Total Professional Experience	Min. 15 years	a) Total Professional Experience	Min. 15 years
			b) Experience in Relevant works	(i) Professional ..... projects	b) Experience in Relevant works	(i) Professional ..... projects
				(ii) Experience of carrying out AEM survey/Geophysical for tunneling/ mineral and oil exploration or any other similar work for area of more than 2.7 sq km		(ii) Experience of carrying out AEM survey/ <b>Geophysical survey</b> for tunneling/ mineral and oil exploration or any other similar work for area of more than 2.7 sq km
				(iii) Processing, ... model of AEM survey's raw data for tunneling/ mineral .... 2.7 sq km		(iii) Processing, .... model of AEM survey's/ <b>Geophysical survey's</b> raw data for tunneling/ mineral .... 2.7 sq km
				(iv) Experience ... AEM survey, processing, ... tunnel work (Rail/Road/Metro)		(iv) Experience ... AEM survey/ <b>Geophysical survey</b> for tunneling, processing, ... tunnel work (Rail/Road/Metro)
III	Age Limit	65 years ... proposal	III	Age Limit	65 years ... proposal	

Sl. No.	Reference Section/Clause No./Annexure/Items	Existing Provision	Modified Provision (To be read as)
3	Clause No.2.1 (b) of SCC, Page 294 Performance Security	The consultant ..... E-Bank Guarantee an amount equivalent to 10% of the total contract value ... completion of services.	The consultant ..... E-Bank Guarantee an amount equivalent to <del>10%</del> 3% of the total contract value ... completion of services.
4	As per Clause No.6.2 of Letter of Invitation (LOI) of RFP, Page 23 Additional Performance Security	Further, ..... Performance Security.	Deleted
5	Clause 6.3 (d) of GCC, Page 283	The .... Para 6.4 (b) above ... due date.	The .... Para <del>6.4(b)</del> 6.3 (b) above ... due date.
6	Clause No. 7.2 of GCC, Page 285 Retention Money	Retention Money An amount .... Out of this 15%, 10% shall be in the form of E-Bank Guarantee and 5% shall be .... the Consultant.	Retention Money An amount .... Out of this <del>15%, 10%</del> 10%, 5% shall be in the form of E-Bank Guarantee and 5% shall be .... the Consultant.
7	Clause No. 9.4.4 of SCC, Page 289 Qualifications of Arbitrators	Qualifications of Arbitrator The sole ... Clause 8.2.1 hereof ... matter in dispute.	Qualifications of Arbitrator The sole ... Clause <del>8.2.1</del> 9.2.1 of SCC hereof ... matter in dispute.

Sl. No.	Reference Section/Clause No./Annexure/Items	Existing Provision				Modified Provision (To be read as)			
		S. No.	Description	Maximum Points	Sub-Points	S. No.	Description	Maximum Points	Sub-Points
8	Clause 12.2, Second stage technical evaluation, A., Firm's relevant experience in last 7 years, S. No. 4, Page No. 41 & 228.	1	Specific ... eligibility	15		1	Specific ... eligibility	15	
		1.1	Aggregate ... projects	8		1.1	Aggregate ... projects	8	
		1.1.1	More ... applied for		6	1.1.1	More ... for		6
		1.1.2	More ... for		7	1.1.2	More ... for		7
		1.1.3	More ... for		8	1.1.3	More ... for		8
		1.2	DPR ... for)	7		1.2	DPR ... for)	7	
		1.2.1	1 project		5	1.2.1	1 project		5
		1.2.2	2 projects		6	1.2.2	2 projects		6
		1.2.3	≥ 3 projects		7	1.2.3	≥ 3 projects		7
		2	DPR of Bridge having length more than 200 m	5		2	DPR of Bridge having length more than 200 m	5	
		2.1	1 bridge		4	2.1	1 bridge		1
		2.2	2 bridges		2	2.2	2 bridges		2
		2.3	3 bridges		3	2.3	3 bridges		3
		2.4	4 bridges		4	2.4	4 bridges		4
		2.5	≥ 5 bridges		5	2.5	≥ 5 bridges		5
		3	Specific ... turnover	5		3	Specific ... turnover	5	
		3.1	Firm's ... 50 crore		5	3.1	Firm's ... crore		5
		3.2	Firm ... crore		4.5	3.2	Firm ... crore		4.5
		3.3	Firm ... crore		4	3.3	Firm ... crore		4

Sl. No.	Reference Section/Clause No./Annexure/Items	Existing Provision				Modified Provision (To be read as)			
		4	DPR . applicable). It is to be noted that either 4.1 or 4.2 shall be applicable, and not both.			4	DPR . applicable). It is to be noted that either 4.1 or 4.2 shall be applicable, and not both.		
		4.1	DPR of ... applicable)	5		4.1	DPR of ... applicable)	5	
		4.1.1	1 project		1	4.1.1	1 project		1
		4.1.2	2 projects		2	4.1.2	2 projects		2
		4.1.3	3 projects		3	4.1.3	3 projects		3
		4.1.4	4 projects		4	4.1.4	4 projects		4
		4.1.5	≥ 5 projects		5	4.1.5	≥ 5 projects		5
		4.2	Aggregate ... Tunnel	5		4.2	Aggregate ... Tunnel	5	
		4.2.1	Upto 5 km		2	4.2.1	Upto 5 km		2
		4.2.2	5km to 10 km		3	4.2.2	5km to 10 km		3
		4.2.3	10km to 15 km		4	4.2.3	10km to 15 km		4
		4.2.4	> 15 Km		5	4.2.4	> 15 Km		5
		5	Tunnels ... firm	10		5	Tunnels ... firm	10	
		5.1	<5 nos.		0	5.1	<5 nos.		0
		5.2	5-10 nos.		8	5.2	5-10 nos.		8
		5.3	> 10-20 nos.		9	5.3	> 10-20 nos.		9
		5.4	> 20 nos.		10	5.4	> 20 nos.		10
		*The ... INFRACON.				*The ... INFRACON.			

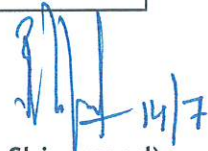
Sl. No.	Reference Section/Clause No./Annexure/Items	Existing Provision				Modified Provision (To be read as)			
9	Clause 12.2, Second stage technical evaluation, C-3, Page No. 44	The ... below:				The ... below:			
		S. No.	Description	Maximum Points	Sub-Points	S. No.	Description	Maximum Points	Sub-Points
		1	General Qualification	25		1	General Qualification	25	
		1.1	Essential education qualification		20	1.1	Essential education qualification		20
		1.2	Desirable education qualification		5	1.2	Desirable education qualification		5
		2	Relevant .. the project	70		2	Relevant .. the project	<del>70</del> 65	
		2.1	Total professional experience		15	2.1	Total professional experience	-	15
		2.2	Experience ... Tunnel Projects		25	2.2	Experience ... Tunnel Projects	-	25
		2.3	Experience ... Capacity		30	2.3	Experience ... Capacity	-	30
		3	Employment with the Firm	5		3	Employment with the Firm	<del>5</del> 10	
		3.1	Less than 1 Year		0	3.1	Less than 1 Year	-	0
		3.2	1 year		3	3.2	1 year	-	3
		3.3	Add ... marks			3.3	Add ... marks	-	-

Sl. No.	Reference Section/Clause No./Annexure/Items	Existing Provision	Modified Provision (To be read as)
10	Assumptions to be made regarding Similar Capacity for various positions, Sl. No. 11, Page No. 255-257	Assumptions to be made regarding Similar Capacity for following Key Personnel's :-0	As per Annexure - 1



Sl. No.	Reference Section/Clause No./Annexure/Items	Existing Provision			Modified Provision (To be read as)		
11	Data Sheet clause 12.2 Second stage technical evaluation, Page No. 38	12.2 Second .....			12.2 Second .....		
		S. No.	Description	Points	S. No.	Description	Points
		1	Firm's relevant experience in last 7 years	40	1	Firm's relevant experience in last 7 <b>10</b> years	40
		2	Material testing, survey & investigation, equipment and software proposed to be used	20	2	Material testing, survey & investigation, equipment and software proposed to be used	20
		3	Qualification and Relevant experience of the proposed key personnel	40	3	Qualification and Relevant experience of the proposed key personnel	40
			Total	100		Total	100
		Further break-up of each criteria has been detailed out below:  A. Firm's relevant experience in last 7 years (40)			Further break-up of each criteria has been detailed out below:  A. Firm's relevant experience in last 7 <b>10</b> years (40)		

Sl. No.	Reference Section/Clause No./Annexure/Items	Existing Provision		Modified Provision (To be read as)	
12	TOR, Section 3.5;	Sub Surface Investigation Subsurface ..... risks of construction.  Induction ... and induction of directional coring ... proposed directional coring trajectory ... tunnel site.....		Sub Surface Investigation Subsurface ..... risks of construction.  Induction ... and induction of <del>directional</del> coring ... proposed <del>directional</del> coring trajectory ... tunnel site.....	
13	TOR, Section 3.5.1;	VERTICAL AND INCLINED TEST BORINGS  Vertical and inclined test borings ..... invert level.  Drilling four(4) Inclined holes (core drilling)at an angle of 30 degrees (Approx) with vertical , one at 50 mtr ... individual hole. The inclined drill holes ... NHIDCL.		VERTICAL AND <del>INCLINED</del> TEST BORINGS  Vertical <del>and inclined</del> test borings ..... invert level.  Drilling <del>four(4) Inclined holes (core drilling)</del> at an angle of 30 degrees (Approx) with vertical , one at 50 mtr ... individual hole. The <del>inclined</del> drill holes ... NHIDCL.	
14	RFP & NIT	Bid Submission End Date	17.07.2023 (1500 Hrs)	Bid Submission End Date	24.07.2023 (1500 Hrs)
15		Opening Date of Technical Bid	18.07.2023 (1530 Hrs)	Opening Date of Technical Bid	25.07.2023 (1530 Hrs)

  
 (B. Shivprasad)  
 General Manager(T)

1. Team Leader cum Senior Tunnel Engineer.

- (i) On behalf of Consultant / Contractor: Team Leader/Senior Highway/ Tunnel Engineer/ Resident Engineer/ Project Manager.
- (ii) In Government Organizations : Superintending Engineer (or equivalent) and above.

2. Tunnel Design Engineer.

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

3. Senior Geotechnical Engineer.

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

