

Corrigendum - II

NHIDCL/NagalandDiv/Dimapur-Kohima/DPR/2024/2053

Date: 13.05.2024

To,

All Prospective Bidders

**Subject:** RFP for Consultancy Services for Preparation of Detailed Project Report for Slope Protection and Slope Stabilization works including Rockfall Protection and Landslide Mitigation measures from km 123.840 to km 166.700 of NH-29 on 4-laning of Dimapur-Kohima road under SARDP-NE in the State of Nagaland - **Modification in tender documents.**

Tender ID: 2024\_NHIDC\_803294\_1

Sir/Madam,

Please find herewith Corrigendum-II for modification in tender documents on the above mentioned subject as per details below:


Sl No	Tender Details	Existing Provision			Modified provision		
1.	RFP Clause 12.1 of Datasheet: Table 1 Minimum Eligibility Requirements:  Minimum experience and performance of Preparation of DPR for Slope Protection/Slope Stabilization works in Roads/ Highways in the last 7 years (2/4/6 laning of NH/SH/Expressways) (for past performance attach undertaking for any litigation history/and arbitration).	Sr. No.	Minimum experience and performance of Preparation of DPR for Slope Protection/Slope Stabilization works in Roads/ Highways in the last 7 years (2/4/ 6 laning of NH/SH/Expressways) (for past performance attach undertaking for any litigation history/and arbitration).	Annual average turnover	Sr. No.	Minimum experience and performance of Preparation of DPR for Slope Protection/Slope Stabilization works in Roads/ Highways in the last 7 years (2/4/ 6 laning of NH/SH/Expressways or railways/airports/irrigation projects) (for past performance attach undertaking for any litigation history/and arbitration).	Annual average turnover
		(1)	(2)	(3)	(1)	(2)	(3)
			(A) Firm applying for a package should have Experience of preparation of Detailed Project Report for Slope Protection/Slope Stabilization works in 2/4/6- laning of road/highway projects (including landslide/rockfall mitigation techniques, ground improvement, etc.) for hilly and mountainous terrain, of aggregate length equal to the indicative length of the package.	Annual average turnover for last 5 years of the firm should be equal to or more than Rs. 2.00 Crore.		(A) Firm applying for a package should have Experience of preparation of Detailed Project Report for Slope Protection/Slope Stabilization works in 2/4/6- laning of road/highway projects (including landslide/rockfall mitigation techniques, ground improvement, etc.) for hilly and mountainous terrain or railways/airports/irrigation projects of aggregate length equal to the	Annual average turnover for last 5 years of the firm should be equal to or more than Rs. 2.00 Crore.
			(B) Firm should have also				

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		<p>prepared DPR for at least one project of Slope Protection/Slope Stabilization work in 2/4/6- laning of road/highway projects (including landslide/rockfall mitigation techniques, ground improvement, etc.) for hilly and mountainous terrain of minimum 40% of the indicative length of the package or Feasibility Study of minimum 60% of the indicative length of the package</p> <p>Note: The experience of a firm in preparation of DPR for a private concessionaire/contractor shall not be considered.</p>		<p>indicative length of the package.</p> <p>(B) Firm should have also prepared DPR for at least one project of Slope Protection/Slope Stabilization work in 2/4/6- laning of road/highway projects (including landslide/rockfall mitigation techniques, ground improvement, etc.) for hilly and mountainous terrain or <b>railways/airports/irrigation projects</b> of minimum 40% of the indicative length of the package or Feasibility Study of minimum 60% of the indicative length of the package</p> <p>Note: The experience of a firm in preparation of DPR for a private concessionaire/contractor shall not be considered.</p>		
2.	Qualification and Competence of the Key Staff for adequacy of the Assignment under APPENDIX-V of RFP	As per RFP	As per modified Qualification and Competence of the Key Staff for adequacy of the Assignment enclosed herewith.			
3.	Qualification and Experience Requirement of Key Personnel in Annexure-II	As per RFP	As per modified Qualification and Experience Requirement of Key Personnel enclosed herewith.			
4.	NIT & RFP	<p>Bid Due Date is 14.05.2024 upto 1500 hrs</p> <p>Opening Date of Technical Bid on 15.05.2024 at 1530 hrs</p>	<p>Bid Due Date is 23.05.2024 upto 1500 hrs</p> <p>Opening Date of Technical Bid on 24.05.2024 at 1530 hrs</p>			

2. Other clauses, terms and conditions remain unchanged.

Yours Sincerely

  
 (Ashok Kumar Jha)  
 General Manager (Tech)



Modified provisions in Corrigendum-I

Qualification and Competence of the Key Staff for adequacy of the Assignment.  
(Para 12.2 of Data Sheet and Enclosure II of TOR)

**TEAM LEADER cum SENIOR HIGHWAY ENGINEER**

S. No.	Description	Max. Points
<b>I</b>	<b>General Qualification</b>	<b>25</b>
i)	Degree in Civil Engineering or equivalent [AICTE Approved]	20
ii)	Post Graduate in Civil Engineering (Construction Management /Transportation) {AICTE Approved}	5
<b>II</b>	<b>Relevant Experience &amp; Adequacy for the Project</b>	<b>70</b>
<b>a)</b>	<b>Total Professional Experience</b>	<b>15</b>
	<12 years	0
	12-16 years	11
	16-20 years	13
	> 20 years	15
<b>(b)</b>	<b>Experience in Highway Projects - Experience in Planning, project preparation and design of Highway Projects or railways/airports/irrigation projects (2/4/ 6 laning of NH/SH/Expressways)</b>	<b>25</b>
	<8 years	0
	8-12 years	19



	>12-16 years	22	
	>16 years	25	
<b>c)</b>	<b>Experience in Similar Capacity</b>		<b>30</b>
<b>(i)</b>	<b>In Feasibility of 2/4/ 6 laning works or DPR/IC/Construction Supervision of major highway projects i.e. 2/4/ 6 laning of NH/SH/Expressways or railways/airports/irrigation projects in Similar Capacity (Minimum Aggregate length of 42 km)</b>		<b>20</b>
	< 42 km	0	
	42 km-80 km	15	
	>80 km-120 km	17	
	> 120 km	20	
<b>(ii)</b>	<b>In Feasibility of 2/4/ 6 laning works or DPR/IC/Construction Supervision of major highway projects i.e. 2/4/ 6 laning of Other Road/NH/SH/Expressways or railways/airports/irrigation projects in Similar Capacity- Number of Projects</b>		<b>10</b>
	< 2 projects	0	
	2 projects	8	
	3- 5 projects	9	
	> 5 projects	10	
<b>III</b>	<b>Employment with Firm</b>		<b>5</b>
	<1 Year	0	
	1 year	3	
	Add 0.5 marks for each subsequent year subject to maximum of 2 marks		
	<b>Total</b>		<b>100</b>

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### Geotechnical cum Slope Stabilization Expert

S. No	Description	Max. Points
<b>I</b>	<b>General Qualification</b>	<b>25</b>
i)	Degree in Civil Engineering or M.Sc in Geology	20
ii)	Post Graduation in Foundation Engineering / Soil Mechanics/Geo Technical Engineering/Rock Mechanics [AICTE Approved]	5
<b>II</b>	<b>Relevant Experience &amp; Adequacy for the Project</b>	<b>70</b>
a)	<b>Total Professional Experience</b>	<b>15</b>
	<10 years	0
	10-12 years	11
	>12-15 years	13
	>14 years	15
b)	<b>Experience in Highway Projects - Experience in experience in Slope Protection &amp; Slope Stabilization of hill road projects (2/4/ 6 laning of NH/SH/Expressways) or railways/airports/irrigation projects including experience in Rock Netting/Bolting/Mesh Drapery/Debris arrester/Shotcreting/Grouting</b>	<b>25</b>
	<8 years	0
	8-10 years	19
	>10-15 years	22
	>15 years	25
c)	<b>Experience in Similar Capacity</b>	<b>30</b>
(i)	<b>In 2/4/ 6 laning of NH/SH/Expressways or railways/airports/irrigation projects in Similar Capacity (Minimum aggregate length 42 km)</b>	<b>20</b>
	< 42 km	0
	42 km-80 km	15
	>80 km-120 km	17
	> 120 km	20
(ii)	<b>In 2/4/ 6 laning of NH/SH/Expressways or railways/airports/irrigation projects in Similar Capacity – Number of Projects</b>	<b>10</b>
	2 projects	8
	3- 5 projects	9
	More than 5 projects	10

<b>III</b>	<b>Employment with Firm</b>		<b>5</b>
	Less than 1 Year	0	
	1 years	3	
	Add 0.5 marks for each subsequent year subject to maximum of 2 marks		
	<b>Total</b>		<b>100</b>

### Geological Expert

<b>S. No</b>	<b>Description</b>	<b>Max. Points</b>
<b>I</b>	<b>General Qualification</b>	<b>25</b>
	i) Degree in Civil Engineering or M.Sc in Geology	20
	ii) Post Graduation in Foundation Engineering / Soil Mechanics/Geo Technical Engineering/Rock Mechanics [AICTE Approved]	5
<b>II</b>	<b>Relevant Experience &amp; Adequacy for the Project</b>	<b>70</b>
	a) <b>Total Professional Experience</b>	<b>15</b>
	<10 years	0
	10-12 years	11
	>12-15 years	13
	>15 years	15
	(b) <b>Experience in Highway Projects in 2/4/ 6 laning of NH/SH/Expressways or railways/airports/irrigation projects</b>	<b>25</b>
	<8 years	0
	8-10 years	19
	>10-15 years	22
	>15 years	25
	c) <b>Experience in Similar Capacity</b>	<b>30</b>
	(i) <b>In 2/4/ 6 laning of NH/SH/Expressways or railways/airports/irrigation projects in Similar Capacity (Minimum aggregate length 42 km)</b>	<b>20</b>
	< 42 km	0
	42 km-80 km	15
	>80 km-120 km	17
	> 120 km	20
	(ii) <b>In 2/4/ 6 laning of NH/SH/Expressways or railways/airports/irrigation projects in Similar Capacity – Number of Projects</b>	<b>10</b>
	2 projects	8
	3- 5 projects	9
	More than 5 projects	10

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<b>III</b>	<b>Employment with Firm</b>		<b>5</b>
	Less than 1 Year	0	
	1 years	3	
	Add 0.5 marks for each subsequent year subject to maximum of 2 marks		
	<b>Total</b>		<b>100</b>

### Hydrologist and Hydrological Modeling Expert

S. No.	Description		Max. Points
I	General Qualification		25
i)	Degree in Civil Engineering [AICTE Approved]		20
ii)	Post Graduation in hydrology (Water Resources Engineering & Management or related)		5
II	Relevant Experience & Adequacy for the Project		70
a)	Total Professional Experience		15
	<10 years	0	
	10-12 years	11	
	>12-15 years	13	
	>15 years	15	
b)	Experience in Highway Projects – In Similar Projects (2/4/ 6 laning of NH/SH/Expressways or railways/airports/irrigation projects) in design and or Construction/ Construction Supervision and hydrological modelling		25
	<8 years	0	
	8-10 years	19	
	>10 -12 years	22	
	>12years	25	
c)	Experience as Hydrologist or in Similar capacity on Highway Projects (2/4/ 6 laning of NH/SH/Expressways) or railways/airports/irrigation projects (Minimum aggregate length 42 km)		30
	< 42 km	0	
	42 km-80 km	24	
	>80 km-120 km	27	
	> 120 km	30	
III	Employment with Firm		5

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	Less than 1 Year	0	
	1 year	3	
	Add 0.5 marks for each subsequent year subject to maximum of 2 marks		
	Total		100

### Road Safety Expert

S. No.	Description		Max. Points
<b>I</b>	<b>General Qualification</b>		<b>25</b>
i)	Degree in Civil Engineering [AICTE Approved]		20
ii)	Post graduation in Traffic Engineering / Transportation Engineering/Transportation Planning [AICTE Approved]		5
<b>II</b>	<b>Relevant Experience &amp; Adequacy for the Project</b>		<b>70</b>
<b>a)</b>	<b>Total Professional Experience</b>		<b>15</b>
	<8 years	0	
	8-10 years	11	
	>10-15 years	13	
	>15 years	15	
<b>b)</b>	<b>Experience in Highway Projects – In Similar Projects (2/4/ 6 laning of NH/SH/Expressways)</b>		<b>25</b>

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	<6 years	0	
	6-8 years	19	
	>8-10 years	22	
	>10 years	25	
c)	<b>Experience as Traffic and Safety Expert / Traffic Engineer or in Similar capacity on Highway Projects (2/4/ 6 laning of NH/SH/Expressways) (Minimum aggregate length 42 km)</b>		<b>30</b>
	< 42 km	0	
	42 km-80 km	24	
	>80 km-120 km	27	
	> 120 km	30	
III	<b>Employment with Firm</b>		<b>5</b>
	Less than 1 Year	0	
	1 year	3	
	Add 0.5 marks for each subsequent year subject to maximum of 2 marks		
	<b>Total</b>		<b>100</b>

#### ENVIRONMENTAL SPECIALIST

S. No.	Description		Max. Points
I	General Qualification		25
i)	Degree in Civil Engineering / Environmental Engineering or Post Graduate in Environmental Sciences [AICTE Approved]		20
ii)	Post-Graduation in Environmental Engineering [AICTE Approved]		5
II	Relevant Experience & Adequacy for the Project		70
a)	Total Professional Experience		15
	<8 years	0	
	8-9 years	11	
	>9-10 years	13	
	>10 years	15	

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b)	Experience in Highway Projects- Experience in Environment impact assessment of Highway Projects (2/4/6 laning of NH/SH/Expressways) or railways/airports/irrigation projects	25
	<6 years	0
	6 -8 years	19
	>8-10 years	22
	>10 years	25
c)	Experience as Environmental Specialist or in Similar Capacity in Highway Projects(2/4/6 laning of NH/SH/Expressways) or railways/airports/irrigation projects	30
	<2 projects	0
	2- 4 projects	24
	5-7 projects	27
	>7 projects	30
III	Employment with Firm	5
	Less than 1 Year	0
	1 year	3
	Add 0.5 marks for each subsequent year subject to maximum of 2 marks	
	Total	100

### GIS and Remote Sensing Expert

S. No.	Description	Max. Points
I	General Qualification	25
i)	Degree in Civil Engineering [AICTE Approved]	20
ii)	Post Graduation in Remote Sensing and GIS	5
II	Relevant Experience & Adequacy for the Project	70
a)	Total Professional Experience	15
	<8 years	0
	8-9 years	11
	>9-10 years	13
	>10 years	15

b)	Experience in Highway Projects in 2/4/6 <b>laning of NH/SH/Expressways</b> or railways/airports/irrigation projects in application of Remote Sensing & GIS in water catchment/Highway Engineering/ Hydrology/ Geotechnical Engineering	25
	<6 years	0
	6 -8 years	19
	>8-10 years	22
	>10 years	25
c)	Experience in Highway Projects (2/4/6 <b>laning of NH/SH/Expressways</b> ) or railways/airports/irrigation projects application of Remote Sensing & GIS in water catchment/Highway Engineering/ Hydrology/ Geotechnical Engineering	30
	<2 projects	0
	2- 4 projects	24
	5-7 projects	27
	>7 projects	30
III	Employment with Firm	5
	Less than 1 Year	0
	1 year	3
	Add 0.5 marks for each subsequent year subject to maximum of 2 marks	
	Total	100

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**ENCLOSURE-II****Qualification and Experience Requirement of Key Personnel****Team Leader cum Senior Highway Engineer**

i)	<b>Educational Qualification</b>	
	Essential	Degree in Civil Engineering or equivalent as approved by AICTE
	Desirable	<b>Post Graduate in Civil Engineering (Construction Management /Transportation) {AICTE Approved}</b>
ii)	<b>Essential Experience</b>	
	a) Total Professional Experience	Min. 12 years
	b) Experience in Highway projects	Min. 8 years in Planning, project preparation and design of <b>Highway projects</b> , including <b>2/4/ 6 laning of other Road/NH/SH/Expressways</b> , or <b>railways/airports/irrigation projects</b> . For hill roads, respective hill roads experience is required
	c) Experience in similar capacity (Either as Team Leader or in Similar capacity)	In Feasibility of two / Four/Six Laning works and DPR/IC/ Construction Supervision of Single/Two/Four/six laning of major highway projects <b>2/4/ 6 laning of NH/SH/Expressways/ or railways/airports/irrigation projects</b> feasibility cum detailed project report of two/ four laning projects of minimum aggregate length of 42 km. For hill roads, respective hill roads experience is required)
iii)	<b>Age Limit</b>	<b>65 years on the date of submission of proposal</b>

**Geotechnical / Slope Stabilization Expert**

i)	<b>Educational Qualification</b>	
	Essential	Degree in Civil Engineering or M.Sc in Geology (AICTE approved)
	Desirable	<b>Post Graduation in Foundation Engineering / Soil Mechanics/Geo Technical Engineering/Rock Mechanics</b>
ii)	<b>Experience</b>	
	a) Total Professional Experience	Min. 10 years
	b) Experience in projects	Minimum 8 years' experience in Slope Protection & Slope Stabilization of hill road projects or <b>railways/airports/irrigation projects</b> including experience in Rock Netting/Bolting/Mesh

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		Drapery/Debris arrester/Shotcreting/ Grouting
	c) Experience in similar capacity	Geotechnical Expert / Slope Stabilization Expert in 2/4/6 laning of NH/SH/Expressways) or railways/airports/irrigation projects of minimum aggregate length of 42km.
iii)	<b>Age Limit</b>	<b>65 years on the date of submission of Proposal</b>

### **Geological Expert**

i)	<b>Educational Qualification</b>	
	Essential	Graduate in Civil Engineering or M.Sc. Geology (AICTE approved)
	<b>Desirable</b>	<b>Masters in Applied Geology</b>
ii)	<b>Essential Experience</b>	
	a) Total Professional Experience	Min. 10 years
	b) Experience in Projects	Min. 8 years experience in similar projects in design and/or construction
	c) Experience in similar capacity	Geological Expert/Geologist in <b>2/4/ 6 laning of NH/SH/Expressways)</b> or railways/airports/irrigation projects of minimum aggregate length of 42 km.
iii)	<b>Age Limit</b>	<b>65 years on the date of submission of Proposal</b>

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**Hydrologist and Hydrological Modeling  
Expert**

i)	<b>Educational Qualification</b>	
	Essential	Degree in Civil Engineering (AICTE approved)
	<b>Desirable</b>	Post Graduation in hydrology (Water Resources Engineering & Management or related)
ii)	<b>Essential Experience</b>	
	a) Total Professional Experience	Min. 10 years
	b) Experience in Projects	Min. 8 years in similar projects in design/ project preparation/ construction and hydrological modelling
	c) Experience in similar capacity	In 2/4/6 laning of <b>NH/SH/Expressways</b> or <b>railways/airports/irrigation projects</b> of minimum aggregate length of 42 km.
iii)	<b>Age Limit</b>	<b>65 years on the date of submission of Proposal</b>

**Road Safety Expert**

i)	<b>Educational Qualification</b>	
	Essential	Graduate in Civil Engineering (AICTE approved)
	Desirable	Masters in Traffic Engineering /Transportation Engineering / Transport Planning
ii)	<b>Essential Experience</b>	
	a) Total Professional Experience	Min. 8 years
	b) Experience in Highway Projects	Min. 06 years in similar projects as Traffic/Road Signage/Marking and Safety Expert
	c) Experience in similar capacity	Road Safety Expert in <b>2/4/ 6 laning of NH/SH/Expressways</b> ) of minimum aggregate length of 42 km.
iii)	<b>Age Limit</b>	<b>65 years on the date of submission of Proposal</b>





**GIS and Remote Sensing Expert**

i)	<b>Educational Qualification</b>	
	Essential	Graduate in Civil Engineering (AICTE approved)
	Desirable	Post Graduation in Remote Sensing and GIS
ii)	<b>Essential Experience</b>	
	a) Total Professional Experience	Min. 10 years
	b) Experience in Projects	Min. 08 years in similar projects in application of Remote Sensing & GIS in water catchment/Highway Engineering/ Hydrology/ Geotechnical Engineering
	c) Experience in similar capacity	In <b>2/4/ 6 laning of NH/SH/Expressways</b> or railways/airports/irrigation projects of minimum <del>area</del> length of 42 km.
iii)	<b>Age Limit</b>	<b>65 years on the date of submission of Proposal</b>

**Environmental Specialist**

i)	<b>Educational Qualification</b>	
	Essential	Graduate in Civil Engineering / Environment Engineering / Masters in Environment Science
	<b>Desirable</b>	<b>Post Graduate in Environmental Engineering</b>
ii)	<b>Essential Experience</b>	
	a) Total Professional Experience	Min. 8 years
	b) Experience in Projects	Min. 6 years in environment impact assessment and permitting of highway projects ( <b>2/4/ 6 laning of NH/SH/Expressways</b> ) or railways/airports/irrigation projects
	c) Experience in similar capacity	Environmental Specialist in at least two highway projects ( <b>2/4/ 6 laning</b> ) or railways/airports/irrigation projects
iii)	<b>Age Limit</b>	<b>65 years on the date of submission of bid</b>

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