

# **PRE QUALIFICATION ADDENDUM REPORT**

## **Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project**

Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project  
Bhadrakali  
Kathmandu, Kathmandu  
Province Three  
Kathmandu  
Nepal

Addendum No: 5

Published On: 30-07-2020 18:00

Invitation No: KTFT/ICB/PQ/TUNNEL/ 076/077- 1

Dated On: 13-03-2020 14:00

# Following changes have been made in the bid document

## Chapter I : General Information

SI No.	Relavant Clause No / Name	Existing Clause	Modified Clause
1	Bid Submission	2020-08-23 12:00:00	2020-09-16 12:00:00
2	Bid Opening Date	2020-08-23 13:00:00	2020-09-16 13:00:00

## Chapter II : Bid Data Sheet

SI No.	Relevant Clause No / Name	Existing Clause	Modified Clause
1	ITA 2.1	NO change for Govt. Budget	The Name of the Public Entity/Development Partner: The name of the Project is: <Key_2>
2	ITA 17.1	For Application submission purposes only, the Employer's address is : Attention: Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Address : Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Kathmandu, Kathmandu Kathmandu Nepal The deadline for Application submission is : Date & Time : 27-04-2020 12:00	For Application submission purposes only, the Employer's address is : Attention: Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Address : Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Kathmandu, Kathmandu Kathmandu Nepal The deadline for Application submission is : Date & Time : 27-05-2020 12:00
3	ITA 2.1	NO change for Govt. Budget	The Name of the Public Entity/Development Partner: The name of the Project is: <Key_2>
4	ITA 17.1	For Application submission purposes only, the Employer's address is : Attention: Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Address : Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Kathmandu, Kathmandu Kathmandu Nepal The deadline for Application submission is : Date & Time : 27-05-2020 12:00	For Application submission purposes only, the Employer's address is : Attention: Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Address : Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Kathmandu, Kathmandu Kathmandu Nepal The deadline for Application submission is : Date & Time : 23-06-2020 12:00
5	ITA 2.1	NO change for Govt. Budget	The Name of the Public Entity/Development Partner: The name of the Project is: <Key_2>
6	ITA 17.1	For Application submission purposes only, the Employer's address is : Attention: Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Address : Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Kathmandu, Kathmandu Kathmandu Nepal The deadline for Application submission is : Date & Time : 23-06-2020 12:00	For Application submission purposes only, the Employer's address is : Attention: Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Address : Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Kathmandu, Kathmandu Kathmandu Nepal The deadline for Application submission is : Date & Time : 23-07-2020 12:00
7	ITA 2.1	NO change for Govt. Budget	The Name of the Public Entity/Development Partner: The name of the Project is: <Key_2>
8	ITA 17.1	For Application submission purposes only, the Employer's address is : Attention: Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Address : Kathmandu-Terai / Madesh Fast Track	For Application submission purposes only, the Employer's address is : Attention: Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Address : Kathmandu-Terai / Madesh Fast Track

SI No.	Relevant Clause No / Name	Existing Clause	Modified Clause
		(Express Way) Road Project Bhadrakali Kathmandu, Kathmandu Kathmandu Nepal The deadline for Application submission is: : Date & Time : 23-07-2020 12:00	(Express Way) Road Project Bhadrakali Kathmandu, Kathmandu Kathmandu Nepal The deadline for Application submission is: : Date & Time : 23-08-2020 12:00
9	ITA 2.1	NO change for Govt. Budget	The Name of the Public Entity/Development Partner: The name of the Project is: <Key_2>
10	ITA 7.1	Authorized Public Entity User will be responsible for bid query response: Manoj Thapa Address: Bhadrakali Kathmandu, Kathmandu  Telephone: 014267060 Facsimile Number: Electronic Mail Address: ft-procmtgmt@nepalarmy.mil.np	Authorized Public Entity User will be responsible for bid query response: Manoj Thapa Address: Bhadrakali Kathmandu, Kathmandu Province Three Telephone: 014267060 Facsimile Number: Electronic Mail Address: ft-procmtgmt@nepalarmy.mil.np
11	ITA 17.1	For Application submission purposes only, the Employer's address is: : Attention: Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Address : Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Kathmandu, Kathmandu Kathmandu Nepal The deadline for Application submission is: : Date & Time : 23-08-2020 12:00	For Application submission purposes only, the Employer's address is: : Attention: Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Address : Kathmandu-Terai / Madesh Fast Track (Express Way) Road Project Bhadrakali Kathmandu, Kathmandu Kathmandu Nepal The deadline for Application submission is: : Date & Time : 16-09-2020 12:00

## Chapter III : Eligibility and Qualification Criteria

### Eligibility Criteria

Sl. No.	Criteria Title	Criteria Description
1	Nationality	Nationality
2	Conflict of Interest	Conflict of Interest
3	GoN/DP Eligibility	GoN/DP Eligibility
4	United Nations Eligibility	United Nations Eligibility
5	VAT/PAN Registration	VAP/PAN Registration
6	Government-Owned Entity	Government-Owned Entity

### Qualification Criteria

#### Pending Litigation

Sl. No.	Criteria Title	Criteria Description
1	Pending litigation & Arbitration	All pending litigation, if any, shall be treated as resolved against the Applicant and so shall in total not represent more than 75 percent of the Applicant's net worth calculated as the difference between total assets and total liabilities should be positive.

#### Financial Situation

Sl. No.	Criteria Title	Criteria Description
1	Historical Financial Performance	Submission of audited financial statements or, if not required by the law of the applicant's country, other financial statements acceptable to the Employer, for the last 3 (three) years to demonstrate the current soundness of the Applicant's financial position. As a minimum, the Applicant's net worth for the last year, calculated as the difference between total assets and total liabilities should be positive

#### Average Annual Construction Turnover

Sl. No.	Criteria Title	Criteria Description
1	Average Annual Construction Turnover	Minimum average annual construction turnover of USD 81 million calculated as total certified payments received for contracts in progress or completed, within the last 5 (five) years.

#### General Construction Experience

Sl. No.	Criteria Title	Criteria Description
1	General Construction Experience	Experience under construction contracts in the role of contractor, subcontractor, or management contractor for at least the last 5 (five) years prior to the applications submission deadline.

Sl. No.	Criteria Title	Criteria Description
1	Contracts of similar size and nature	<p>Similar Experience:</p> <p>(a) EPC/Design Build and Operate/ Design and Build Contract: Participation as Prime contractor, management contractor, or subcontractor in at least 1 (one) successfully or substantially completed Engineering Procurement Construction (EPC)/Design, Build, and Operate/Design and Build Contract with a value of at least USD 150 million that includes Design, Engineering and Construction works of Twin Double Lane Standard Highway Tunnel Works within the last TEN years.</p> <p>To substantiate the above qualification, the Applicant shall produce certificate of the above activities from the Client to demonstrate that it has completed the works within the agreed time frame as per the Agreement made. The Applicant shall produce the Agreement Copy indicating Contract period and the Certificate of completion. The Applicant shall submit GIS location with UTM coordinates of the completed project and photographs to supplement his achievements.</p> <p>(b) Tunnel Works:</p> <p>The Applicant should have successfully executed at least one twin tube tunnel of two lanes standard (min 3.5 m of one lane each) that includes tunnel of length not less than 3.0 Km within the last 10 years.</p> <p>The Applicant shall produce certificate of the above activities completed from the Client to demonstrate that it has completed the works within the agreed time frame as per the Agreement made. The Applicant shall be able to produce the Agreement Copy indicating Contract period and Certificate of Completion. The Applicant shall also submit GIS location with UTM coordinates of the completed project and photographs to supplement his achievements.</p> <p>(c) Bridge Works:</p> <p>The Applicant should have successfully executed at least 2 numbers of bridges of 330 m length with at least one pier/ abutment height ? 50 m within the last 10 years. The bridges shall be twin bridges of double lane standard having deck width not less than 11.7 m each or four lane standard having deck width not less than 23.4 m.</p> <p>The Applicant shall produce certificate of the above activities completed from the Client to demonstrate that it has completed the works within the agreed time frame as per the Agreement made. The Applicant shall be able to produce the Agreement Copy indicating Contract period and Certificate of Completion. The Applicant shall also submit GIS location with UTM coordinates of the completed project and photographs to supplement his achievements.</p> <p>(d) Expressway:</p> <p>The Applicant should have completed at least one contract of Expressway of minimum four lane standard (min 20 m formation width) and 2 km in length within the agreed contract period in the last 10 years.</p> <p>The Applicant shall produce certificate of the above activities completed from the Client to demonstrate that it has completed the works within the agreed time frame as per the Agreement made.</p> <p>The Applicant shall be able to produce the Agreement Copy indicating Contract period and Certificate of Completion. The Applicant shall also submit GIS location with UTM coordinates of the completed project and photographs to supplement his achievements.</p> <p>(e) The Applicant should have executed at least one Contract on Highway Tunnel or High Rise Bridge with pier/ abutment height ? 50 m</p>

Sl. No.	Criteria Title	Criteria Description
	Contracts of similar size and nature	<p>or an Expressway in similar region within the last 10 years.  Similar region shall mean in mountainous/hilly region.</p> <p>(f) If the Applicant is a joint venture, each of the joint venture partner should have successfully executed at least one number of construction contract that includes a twin tunnel of length at least 1.5 Km of double lane standard road within the last 10 years or Bridge pier height ? 40m of 4 lane standard min deck width 23.4m Or twin bridge pier height ? 40m, deck width 11.7m within the last 10 years.</p> <p>The Applicant shall produce certificate of the above activities completed from the Client to demonstrate that it has completed the works within the agreed time as per the Agreement made. The Applicant shall be able to produce the Agreement Copy indicating Contract period and Certificate of Completion. The Applicant shall also submit GIS location with UTM coordinates of the completed project and photographs to supplement his achievements.</p> <p>(g) The Applicant should have executed at least one contract of four lane standard High Rise Bridge having abutment or pier height of more than 20 m or Expressway of minimum 5 km or double lane tunnel of length one Km outside home country within the last 10 years.</p>

Construction Experience in Key Activities

Sl. No.	Criteria Title	Criteria Description
1	Construction Experience in Key Activities	Not applicable

## Personnel

Sl. No.	Criteria Title	Criteria Description
1	Project Manager-1	a. MINIMUM QUALIFICATION: Bachelor's Degree in Civil Engineering b. BUSINESS EXPERIENCE (YEARS)- 20 c. SPECIFIC EXPERIENCE: Ten years of experience in the related field as a Project Manager or Contract Manager or Equivalent and shall have Experience of at least one Tunnel of Highway /Expressway and one 30m pier height bridge of 100 m length on EPC/Design Build and Operate/Design and build Contract.
2	Deputy Project Manager-1	a. MINIMUM QUALIFICATION: Bachelor's Degree in Civil Engineering b. BUSINESS EXPERIENCE (YEARS)- 15 c. SPECIFIC EXPERIENCE: Seven years of experience in the related field as a Deputy Project Manager or Deputy Contract Manager or equivalent and shall have experience of at least one Tunnel of Highway/ Expressway on EPC/ Design Build and Operate/Design and Build Contract.
3	Tunnel Engineer (Supervision)-1	a. MINIMUM QUALIFICATION: Bachelor's Degree in Civil Engineering b. BUSINESS EXPERIENCE (YEARS)- 15 c. SPECIFIC EXPERIENCE: Seven years of experience in the related field and shall have experience of at least one Tunnel of Highway/Expressway project.
4	Tunnel Facility Engineer (Supervision)-1	a. MINIMUM QUALIFICATION: Bachelor's Degree in Civil Engineering b. BUSINESS EXPERIENCE (YEARS)- 12 c. SPECIFIC EXPERIENCE: Five years of experience in the related field and shall have experience of at least one tunnel of Highway/Expressway project.
5	Pavement Engineer -1	a. MINIMUM QUALIFICATION: Bachelor's Degree in Civil Engineering b. BUSINESS EXPERIENCE (YEARS)- 12 c. SPECIFIC EXPERIENCE: Five years of experience in the related field and shall have experience of at least one of Highway/Expressway project.
6	Geotechnical Engineer-1	a. MINIMUM QUALIFICATION: Master's Degree in Geotechnical Engineering b. BUSINESS EXPERIENCE (YEARS)- 15 c. SPECIFIC EXPERIENCE: Five years of experience in the related field and shall have experience of at least one Highway/Expressway project.
7	Geologist-1	a. MINIMUM QUALIFICATION: Bachelor's degree in Geology/Rock mechanics/Mining engineering b. BUSINESS EXPERIENCE (YEARS)- 15 c. SPECIFIC EXPERIENCE: Seven years of experience in the related field and shall have experience of at least one Highway/Expressway Tunnel project.
8	Quality Control Engineer-1	a. MINIMUM QUALIFICATION: Bachelor's Degree in Civil Engineering b. BUSINESS EXPERIENCE (YEARS)- 15 c. SPECIFIC EXPERIENCE: Seven years of experience in the related field and shall have experience of at least one road tunnel project.
9	Bridge Engineer (Design)-1	a. MINIMUM QUALIFICATION: Master's Degree in Bridge engineering or Structural Engineering or major structure related subjects in Master's degree b. BUSINESS EXPERIENCE (YEARS)- 15 c. SPECIFIC EXPERIENCE: Seven years of experience in related field and shall have experience of Design works of highway/expressway of two bridges of minimum 100 m length and ? 50 m of abutment/pier height.
10	Structural Engineer-1	a. MINIMUM QUALIFICATION: Master's Degree in Structural



Sl. No.	Criteria Title	Criteria Description
	Structural Engineer-1	Engineering or major structure related subjects in Master's degree b. BUSINESS EXPERIENCE (YEARS)- 15 c. SPECIFIC EXPERIENCE: Seven years of experience in related field and shall have experience of Structural Design works of Highway components.
11	Structural Engineer-1	a. MINIMUM QUALIFICATION: Master's Degree in Structural Engineering b. BUSINESS EXPERIENCE (YEARS)- 15 c. SPECIFIC EXPERIENCE: Seven years of experience in related field and shall have experience of at least one Highway Tunnel.
12	Health & Safety Manager-1	a. MINIMUM QUALIFICATION: Bachelor's Degree in relevant field b. BUSINESS EXPERIENCE (YEARS)- 15 c. SPECIFIC EXPERIENCE: Seven years of experience in the related field and shall have experience of at least one Highway tunnel project.
13	Environment Protection Manager-1	a. MINIMUM QUALIFICATION: Bachelor's Degree in relevant field b. BUSINESS EXPERIENCE (YEARS)- 12 c. SPECIFIC EXPERIENCE: Five years of experience in the related field and shall have experience of at least one Highway Tunnel project.
14	Tunnel Design Engineer-1	a. MINIMUM QUALIFICATION: Master's Degree in Civil Engineering/Rock mechanics / Mining Engineering b. BUSINESS EXPERIENCE (YEARS)- 10 c. SPECIFIC EXPERIENCE: Five years of experience in design of Highway/Expressway Tunnel.
15	Bridge Design Engineer-1	a. MINIMUM QUALIFICATION: Master's Degree in Structure/ Bridge engineering b. BUSINESS EXPERIENCE (YEARS)- 10 c. SPECIFIC EXPERIENCE: Five years of experience in design of High rise Bridges of minimum 100m length and ? 35m abutment / pier height.
16	Tunnel Ventilation Engineer-1	a. MINIMUM QUALIFICATION: Bachelor's degree in Mechanical Engineering or Civil engineering b. BUSINESS EXPERIENCE (YEARS)- 10 c. SPECIFIC EXPERIENCE: Five years of experience in design or supervision of Highway/Expressway Tunnel ventilation works.

Equipment

Sl. No.	Criteria Title	Criteria Description
1	<p>Hydraulic Excavator – ?1.1 cum rock bucket Qty- 6</p> <p>Loader ?min 3 cubic meter Qty- 6</p> <p>High pressure double fluid grouting pump Qty- 4</p> <p>Electric Air Compression Station – ?40 cum/min Qty- 4</p> <p>Three Arm Jumbo Automatic Qty-4</p> <p>Ventilator – ?90 kw Qty-4</p> <p>Robotic arm with radio remote control Qty-4</p> <p>Shotcrete/Concrete Delivery pump – ?60 cum/hr</p> <p>Shotcrete/Concrete Deliver pump – ?10 cum/hr Qty-4</p> <p>Concrete Mixing Station (Fully Computerized Automatic Batching Plant)</p> <p>min. production Capacity of ?60 cum/hr Qty-2</p> <p>Concrete Transit Mixer Truck &gt; 6 cum Qty-8</p> <p>Tower Crane – ?100 ton Qty-1</p> <p>Mobile Crane ?50 ton Qty-2</p> <p>Mobile Formwork for Inverted Arch – usable working length ? 15 m, self-propelled Qty-2</p> <p>Pile Driving / Boring Machine ?1.2m diameter with Tremie, Funnel all complete Qty-1</p> <p>Dumpers ?25t capacity Qty-20</p> <p>Steel rib erector Qty-4</p> <p>Generator ?200 KVA Qty-2</p> <p>Truck Mounted complete grouting equipment system Qty-2</p> <p>Laser tunnel scanner Qty-2</p> <p>Suitable robotic scaling machine for after blast scaling/loose dressing Qty-4</p> <p>Scissor platform three ton capacity of ?5 m lift. Qty-4</p> <p>Continuous loader of capacity ?4cubic meter/ min Qty-4</p>	<p>Hydraulic Excavator – ?1.1 cum rock bucket Qty- 6</p> <p>Loader ?min 3 cubic meter Qty- 6</p> <p>High pressure double fluid grouting pump Qty- 4</p> <p>Electric Air Compression Station – ?40 cum/min Qty- 4</p> <p>Three Arm Jumbo Automatic Qty-4</p> <p>Ventilator – ?90 kw Qty-4</p> <p>Robotic arm with radio remote control Qty-4</p> <p>Shotcrete/Concrete Delivery pump – ?60 cum/hr</p> <p>Shotcrete/Concrete Deliver pump – ?10 cum/hr Qty-4</p> <p>Concrete Mixing Station (Fully Computerized Automatic Batching Plant)</p> <p>min. production Capacity of ?60 cum/hr Qty-2</p> <p>Concrete Transit Mixer Truck &gt; 6 cum Qty-8</p> <p>Tower Crane – ?100 ton Qty-1</p> <p>Mobile Crane ?50 ton Qty-2</p> <p>Mobile Formwork for Inverted Arch – usable working length ? 15 m, self-propelled Qty-2</p> <p>Pile Driving / Boring Machine ?1.2m diameter with Tremie, Funnel all complete Qty-1</p> <p>Dumpers ?25t capacity Qty-20</p> <p>Steel rib erector Qty-4</p> <p>Generator ?200 KVA Qty-2</p> <p>Truck Mounted complete grouting equipment system Qty-2</p> <p>Laser tunnel scanner Qty-2</p> <p>Suitable robotic scaling machine for after blast scaling/loose dressing Qty-4</p> <p>Scissor platform three ton capacity of ?5 m lift. Qty-4</p> <p>Continuous loader of capacity ?4cubic meter/ min Qty-4</p>
2	<p>Additional Equipment</p> <p>Crawler Dozer – 200 HP Qty-2</p> <p>Motor Grader 100 HP Qty-1</p> <p>Pneumatic Roller 8 ton Qty-2</p> <p>Vibrating Steel Roller 8 tons Qty-2</p> <p>Tandem Rollers 8 tons Qty-2</p> <p>Small Self Propelled Roller 2 tons Qty-2</p> <p>Multifunction Rotary Drilling Rig – Revolving Speed 10 m/h Qty-1</p> <p>Pneumatic Rock Drill Qty-10</p> <p>Multifunction Deck – separable Qty-3</p> <p>Wet Spray Machinery 7,5 kw Qty-4</p> <p>Air Leg Drill – 3 m Qty-20</p> <p>Grout Pumps – 50 kg Qty-8</p> <p>Automatic Welding Machine Qty-4</p> <p>Ultrasonic Welding Machine Qty-4</p> <p>Hot Melting Welding Machine Qty-4</p> <p>Two Stage Stone Crusher Plant (production &gt; 60 cum/hr) with complete screening sets, Conveyors and sand pumps, set Qty-2</p> <p>Bitumen Distributor 4000 litres Qty-2</p> <p>Asphalt Plant 100 tons/hr Qty-1</p> <p>Asphalt Paver with electronic sensor 3.0 Qty-4</p> <p>Truck Mounted Rotary Power Brooms Qty-1</p> <p>Dewatering/sludge pump with suitable pipe line network of suitable capacity as per site condition</p>	<p>Additional Equipment</p> <p>Crawler Dozer – 200 HP Qty-2</p> <p>Motor Grader 100 HP Qty-1</p> <p>Pneumatic Roller 8 ton Qty-2</p> <p>Vibrating Steel Roller 8 tons Qty-2</p> <p>Tandem Rollers 8 tons Qty-2</p> <p>Small Self Propelled Roller 2 tons Qty-2</p> <p>Multifunction Rotary Drilling Rig – Revolving Speed 10 m/h Qty-1</p> <p>Pneumatic Rock Drill Qty-10</p> <p>Multifunction Deck – separable Qty-3</p> <p>Wet Spray Machinery 7,5 kw Qty-4</p> <p>Air Leg Drill – 3 m Qty-20</p> <p>Grout Pumps – 50 kg Qty-8</p> <p>Automatic Welding Machine Qty-4</p> <p>Ultrasonic Welding Machine Qty-4</p> <p>Hot Melting Welding Machine Qty-4</p> <p>Two Stage Stone Crusher Plant (production &gt; 60 cum/hr) with complete screening sets, Conveyors and sand pumps, set Qty-2</p> <p>Bitumen Distributor 4000 litres Qty-2</p> <p>Asphalt Plant 100 tons/hr Qty-1</p> <p>Asphalt Paver with electronic sensor 3.0 Qty-4</p> <p>Truck Mounted Rotary Power Brooms Qty-1</p> <p>Dewatering/sludge pump with suitable pipe line network of suitable capacity as per site condition Adequate number</p> <p>Suitable Genset with catalytic converter to control emission (adequate capacity with 100% backup) Qty-4</p>

Sl. No.	Criteria Title	Criteria Description
	Adequate number Suitable Genset with catalytic converter to control emission (adequate capacity with 100% backup) Qty-4 Survey Equipment Total Station Accuracy less than or equal to 1 second. Qty-2	Survey Equipment Total Station Accuracy less than or equal to 1 second. Qty-2

## Chapter IV : Requirement

No Changes have been made