

Reply to Pre-Bid Queries-2

Name of the Project: Construction, Operation and Maintenance of 2-lane bi-directional Zojila Tunnel with parallel escape (Egress) Tunnel excluding approaches on Srinagar-Leh section connecting NH-1 at Km 95.00 and at Km 118.00 in the State of Jammu & Kashmir on EPC mode.

Sr. No.	Clause	Description	Suggestions/Query	Reply
1.	EPC- Clause - 19.1 Contract Price Bid Currency	Authority has clarified in Addendum-2 S. No 17, Bid currency seems as only in INR.	As there will be many exported materials, equipment, etc. that will be utilized for the Project, Bidder is kindly requesting from Authority to reconsider to bid in USD and INR (with the base date and source for conversion of USD to INR) and this shall also reduce the bid value.	As per RFP.
2.	Letter of Price Bid RFP		Bidder is kindly requesting from Authority to provide draft "Letter of Price Bid".	The format of "Letter comprising the Financial Bid" is attached as Appendix-IX, Part IV of RFP.
3.	EPC- Clause - 4.2 (i) JV Structure	It is stated in the EPC Contract Clause 4.2 (i) that "The Contractor, whether Joint Venture or sole, shall not subcontract any Works in more than 49% (forty nine per cent) of the Contract Price and shall carry out Works directly under its own supervision and through its own personnel and equipment in at least 51% (fifty one per cent) of the Contract Price. Further, in case the Contractor is a Joint Venture, then the Lead Member shall carry out Works directly through its own resources (men, material and machines etc.) in at least 51% (fifty one per cent) of total value	According to related clauses, Bidder is kindly asking that if the Bidder is JV, all the works shall be executed jointly by JV, Lead Member shall not carry out Works directly. Please confirm.	All the partners/parties of a Joint Venture are jointly and severally liable and the bidder (here, JV) shall not sub-contract work more than 49% of the contract value as per clause 4.2 (i) of EPC Agreement.

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		of the Project Highway." However, it is also stated in clause 1.5 that JV parties are jointly and severally liable.		
4.	Tender Bond - RFP-2.20		Bidder is kindly asking that whether Bid Security shall be submitted jointly or separately by JV member as per their share. Please clarify Bid Security can be submitted separately by JV member as per their share.	No. The Bid Security has to be submitted either by the Joint Venture or by the Lead Partner only.
5.	Tender Documents		Bidder is kindly requesting from Authority to provide complete Geotechnical Report including laboratory tests, boreholes studies, etc.	Available Geotechnical reports have been provided vide Amendment No.2.
6.	EPC Agreement -Clause 4.7 Electricity and Water	It is stated in the EPC Clause 4.7 that "The Contractor shall be responsible for procuring of all utilities as may be required, including without limitation, adequate power, water and other services."	Bidder is kindly asking permit to use existing government sources for the construction work.	There is no restriction on using the existing government resources; however, permission required for use has to be obtained by the contractor from the concerned Govt. Agency.
7.	EPC Agreement -Clause 4.7 Electricity and Water	If electricity and water shall be used from government source, please provide unit rates of the related items.		The bidder has to make their own assessments.
8.	Electricity	Bidder is kindly requesting map of Government Electricity Lines in order to estimate accurately for the connection of existing lines to operate Tunnel permanently.		The bidder has to obtain the required details directly from the agency themselves.
9.	Technical	Company registration documents are not	Please clarify.	As per RFP.

	Documentation RFP	requested by the Authority during bid submission.		
10.	EPC Agreement 8.3. (i) Compensation in late delivery of site	In the given formula in case of late delivery of site the compensation would be calculated almost no effect.	Hence, bidder is kindly asking to reconsider this formula.	As per RFP.
11.	Volume X, Addendum 1- Ventilation Equipment Ventilation System	Please clarify that the supply and extract axial fans reversible or uni-directional (or a combination of both).		The detailed design of the facilities is in the scope of the contractor.
12.	Volume VIII: Preliminary Ventilation Design Report Ventilation System	In Tables 8, 9 and 10, it states that pressure due to unfavorable meteorological conditions. Please clarify if this pressure drop has been included in the calculations of total 'pressure rise' section of the tables.		The detailed design of the facilities is in the scope of the contractor.
13.	Fire Fighting System	We kindly request you to provide details and technical properties of "Fire Fighting System pumps" (capacity, head, type, etc).		The detailed design of the facilities is in the scope of the contractor.
14.	Fire Fighting System	We kindly request you to provide schematic drawings, design report and specifications of Fire Fighting System.		The detailed design of the facilities is in the scope of the contractor.
15.	SCHEDULE - D ATTACHMENT-DII chapter 4.7.1 Tunnel Radio System	Please clarify the required number of the hand portable radios.		The detailed design of the facilities is in the scope of the contractor.

16.	SCHEDULE - D ATTACHMENT-MI chapter 4.7.1Tunnel Radio System	By "fixed radio equipment" page 297, line 4, is "desk mount radio terminal" meant? How may fixed radio equipment are required?		The detailed design of the facilities is in the scope of the contractor.
17.	SCHEDULE - D ATTACHMENT-DH chapter 4.7.1Tunnel Radio System	Do we expect to provide base station and network control infrastructure for maintenance radio service?		The detailed design of the facilities is in the scope of the contractor.
18.	SCHEDULE - D ATTACHMENT-DH chapter 4.7.1Tunnel Radio System	What will be the frequency bands of the radios to be provided for the maintenance service?		The detailed design of the facilities is in the scope of the contractor.
19.	SCHEDULE - D ATTACHMENT-DII chapter 4.7.1 Tunnel Radio System	Which standard to be provided for radios? TETRA, DMR, Analog, etc?		The detailed design of the facilities is in the scope of the contractor.
20.	SCHEDULE - D ATTACHMENT-DII chapter 4.7.1 Tunnel Radio System	Please clarify the required number of the maintenance radios.		The detailed design of the facilities is in the scope of the contractor.
21.	SCHEDULE - D ATTACHMENT-DH chapter 4.7.1 Tunnel Radio System	It is stated in section 4.7.1.2 that fire brigade, ambulance and police services will be transmitted into the tunnel. What will be the frequency band of each service respectively?		The detailed design of the facilities is in the scope of the contractor.

22.	SCHEDULE - D ATTACHMENT-DII chapter 4.7.1 Tunnel Radio System	Which standard will each emergency service to be? TETRA, DIV1R, Analog, etc?		The detailed design of the facilities is in the scope of the contractor.
23.	SCHEDULE - D ATTACHMENT-DII chapter 4.7.1 Tunnel Radio System	How many emergency service radio channels in total will be transmitted into the tunnels?		The detailed design of the facilities is in the scope of the contractor.
24.	SCHEDULE - D ATTACHMENT-DH chapter 4.7.1 Tunnel Radio System	How will emergency services connect to the tunnel radio equipment? Will there be dedicated base stations? Or are we expected to receive the emergency service signal via off-air?		The detailed design of the facilities is in the scope of the contractor.
25.	SCHEDULE - D ATTACHMENT-DH chapter 4.7.1 Tunnel Radio System	Which cellular communication standards will be transmitted into the tunnels? Is it 2G, is it 3G, is it 4G? Or all of them?		The detailed design of the facilities is in the scope of the contractor.
26.	SCHEDULE - D ATTACHMENT-DII chapter 4.7.1 Tunnel Radio System	How many cellular carriers/sectors/channels in total will be transmitted into the tunnels?		The detailed design of the facilities is in the scope of the contractor.
27.	SCHEDULE - D ATTACHMENT- DTI chapter 4.7.1 Tunnel Radio	How will mobile operators connect to the tunnel radio equipment? Will there be dedicated base stations? Or are we expected to receive the mobile operator signals via off-air?		The detailed design of the facilities is in the scope of the contractor.

	System			
28.	SCHEDULE - D ATTACHMENT-DH chapter 4.7.1 Tunnel Radio System	What is the minimum signal level in the tunnel for each service respectively?		The detailed design of the facilities is in the scope of the contractor.
29.	SCHEDULE - D ATTACHMENT-DII chapter 4.7.1 Tunnel Radio System	Is redundancy or hot standby required in tunnel radio equipment?		The detailed design of the facilities is in the scope of the contractor.
30.	SCHEDULE - D ATTACHMENT-DII chapter 4.7.1 Tunnel Radio System	Is remote monitoring required for the tunnel radio system?		The detailed design of the facilities is in the scope of the contractor.
31.	Drawings MCC and Distribution boards	No MCC and distribution board details (sizing, type and switchgear details) are found on drawings.	Bidder is kindly requesting to provide related drawings.	The detailed design of the facilities is in the scope of the contractor.
32.	Drawings Power cables and control cables	No power cables and control cables details (sizing, type and quantities) are found on drawings.	Bidder is kindly requesting to provide related drawings.	The detailed design of the facilities is in the scope of the contractor.
33.	Drawings Control centers layout	No control centers electrical layout drawings are found.	Bidder is kindly requesting to provide related drawings.	The detailed design of the facilities is in the scope of the contractor.
34.	Drawings Ventilation caverns	No ventilation caverns electrical layout drawings are found.	Bidder is kindly requesting to provide related drawings.	The detailed design of the facilities is in the scope of the contractor.

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	layouts			
35.	Drawings Power supply niches layouts	No power supply niches electrical layout drawings are found.	Bidder is kindly requesting to provide related drawings.	The detailed design of the facilities is in the scope of the contractor.
36.	SCHEDULE - D ATTACHMENT-DII Transformer types	Although transformers for subsurface usage requested dry type (refer to chapter 3.5.1 and 4.1.1.1), HV transformers are requested oil type (refer to chapter 4.2.1)	please confirm.	As per RFP.
37.	Drawings Lighting control drawings	No lighting control schematic drawings are found.	Bidder is kindly requesting to provide related drawings.	The detailed design of the facilities is in the scope of the contractor.
38.	Drawings Earthing and grounding drawings	No earthing and grounding drawings are found.	Bidder is kindly requesting to provide related drawings.	The detailed design of the facilities is in the scope of the contractor.
39.	Drawings Exterior lighting	Please confirm whether exterior lightings of portals, service buildings, approach roads to tunnel entrance, parking areas, etc in our scope or not.	If so, Bidder is kindly requesting to provide related drawings.	Yes, the external lightings are in the scope of the contractor and the detailed design of the facilities is to be carried out by the contractor.
40.	Definitions Obligations of Authority- EPC Agreement - Article 1 Sub clause 1.1 (Page 17 and page 18,19) EPC Agreement - Article 1 Sub	Bidder understands that Indian Law stated in definition of "Change in law" covers and includes all laws, brought into force and effect by the GOI or the State Government and Local bodies.	Please kindly confirm.	As per RFP.
		Bidder understands that Indian Taxes stated in definition of "Taxes" covers and includes all taxes, brought into force and effect by the GOI or the State Government and local bodies.	Please kindly confirm.	As per RFP.

	clause 1.1 (Page 24) EPC Agreement - Article 3 Sub clause 3.1 para [v] (Page 33)	Limiting the aggregate damages payable under Clauses 3.1 (iv), 8.3 and 9.5 to 1% (one per cent) of the Contract Price does not seem reasonable considering the nature and location of project and required mobilization of resources (manpower, equipment and material) for the project.	We kindly request Authority to revise this limit to actual and reasonable costs incurred by the contractor. Please kindly reconsider.	As per RFP.
41.	EPC Agreement - Article 8 Sub clause 8.3 Para [i] a (Page 57) EPC Agreement - Article 8 Sub clause 8.3 Para [iii] a (Page 58) Right of Way	Formula for calculating damages payable against non - providing right of way seems negligible. The formula provided is (amount of damages in Rs per day per Meter = $0.05 \times C \times 1/L \times 1 / N$). For example amount of damages per day per meter (based on estimated cost as stated in RFP) = $0.05 \times 48,99,42,00,000.00 \times (1/ 23000) \times (1/2555) =42.54$. This amount of damage considering mobilization of resources by contractor is negligible.	Please reconsider the above stated formula.	As per RFP.
42.	EPC Agreement - Article 9 Sub clause 9.1 and 9.2 (Page 61) Utilities and Trees	Bidder requests the Authority to provide list with location and drawings of utilities i.e. existing roads, right of way, level crossings, structures, and any other utilities on, under or above the Site.		As per RFP.
43.	EPC Agreement - Article 10 Sub clause 10.3 para [i] (Page 68)	Considering project location, hindrances in access, snowfall and avalanche conditions and geological conditions bidder requests authority to consider schedule completion		As per RFP.

	Design and Construction of Project Highway	date as end of 120th month from the appointed date.		
44.	EPC Agreement - Article 13 Sub clause 13.5 (Page 90) Change of Scope	Authority is empowered to award the works related to non-agreed change orders to third parties. However, Contractor is required to carry out maintenance of these works carried out by third party after defect liability period without any additional payment. Since these works are not carried out by the Contractor it will be difficult for contractor to obtain any insurance against such works and therefore Authority shall compensate the Contractor against maintenance of these works on actual cost plus reasonable overhead and profit basis.		As per RFP.
45.	EPC Agreement - Article 19 Sub clause 19.2 para [i](Page 106)- Payments	Interest bearing advance payment @ "Bank Rate + 3%" against mobilization expenses is provided.	Since the cost of interest only increases the bid value, we kindly request Authority to provide the advance without the interest as this shall reduce the bid value.	As per RFP.
46.	EPC Agreement - Article 19 Sub clause 19.2 para [ii](Page 106)- Payments	Interest bearing advance payment against newly purchased key construction equipment are provided. Since the cost of interest only increases the bid value, we kindly request Authority to provide the advance without the interest as this shall reduce the bid value.	We also kindly request authority to provide list of key construction equipment and also to consider advance payment against used equipment which are in good working condition.	As per RFP.

47.	EPC Agreement - Article 19 Sub clause 19.2 para [iii and iv](Page 107)-Payments	Advance payments are payable against 110% of BG.	We request Authority to consider the BG value to equal to advance payment. Further BG value shall be proportionally reduced as the recovery of advance payment.	As per RFP.
48.	EPC Agreement - Article 21 Sub clause 21.3 (Page 125) and Annexure to Article 21 S.No V - 1 (Political and Social Risks)-Force Majeure	Sub Clause 21.3 list an act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, blockade, embargo, riot, insurrection, terrorist or military action, civil commotion Etc as Indirect Political events, However Annexure to Article 21 S.No V - 1 lists War, hostilities, invasion, acts of foreign enemies, rebellion, revolution, insurrection or usurped power, or civil war etc as Political and Social Risks.	Please clarify which document is to be considered as correct.	Non-Political Event, Indirect Political Event and Political Event are categorized as per Article 21 of EPC Agreement.
49.	EPC Agreement - Article 21 Sub clause 21.3 (Page 125) and sub clause 21.6 (page 126)-Force Majeure	Sub Clause 21.3 list an act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, blockade, embargo, riot, insurrection, terrorist or military action, civil commotion . Etc as Indirect Political events, further sub clause 21.6 (i) (b) states that upon occurrence of an Indirect Political Event, all Force Majeure costs attributable to such Indirect Political Event, and not exceeding the Insurance Cover for such Indirect Political Event, shall be borne by the Contractor,	The bidder would like to confirm that since most of the events listed in sub clause 21.3 seems non - insurable the authority will reimburse 50% of full cost without need of Insurance Cover.	As per RFP.



		and to the extent Force Majeure costs exceed such Insurance Cover, one half of such excess amount shall be reimbursed by the Authority to the Contractor .		
50.	Annexure to Article 21 S.No HI- 1 (constrained access to site)- Force Majeure	Bidder would like to request Authority to re-consider the risk allocation in the event of Obstruction of Highways/roads connecting the Site due to heavy traffic/bad weather conditions/ accidents etc. The authority will appreciate that the contractor has no control on either such incidents taking place or rectification of such incidents. Therefore, Bidder requests the Authority to compensate the Contractor for Actual Cost and EOT both.		As per RFP.
51.	EPC Agreement - Article 30 Page 165-Extra Ordinary Geological Occurrence (EGO)	Bidder request Authority to provide definitive lists of events to be considered as Extra Ordinary Geological Occurrence (EGO).		As per RFP.
52.	SCHEDULE - D ATTACHMENT-DII chapter 4.9.8- EVACUATION ROUTE LAMPS	The technical sheet specifies two bulbs of 24W for this fixture. What kind of bulbs are these? Is it a halogen bulb? We would suggest you to use LEDs instead of bulbs for proper visibility of sign. In document Schedule 22-02-2019-1, on page 305, point number 4.9.8, it is specified that the sign will contain LEDs	Please clarify.	The detailed design of the facilities is in the scope of the contractor.

		whereas in the Annexure (ii) to attachment DII_Product Info Sheet,page IO, it is specified that it will contain two bulbs of 24W.		
53.	SCHEDULE - D ATTACHMENT-DR chapter 4.9.9- EVACUATION ROUTE SIGN	Are EVACUATION ROUTE SIGN photo-luminescent?		As per RFP.
54.	SCHEDULE - D ATTACHMENT-DII chapter 4.4.8- ESCAPE EXIT RUNNING LIGHT	You are kindly requested to give technical specifications for ESCAPE EXIT RUNNING LIGHT fixture which contains the wattage and the GA drawing.		The detailed design of the facilities is in the scope of the contractor.
55.	SCHEDULE - D ATTACHMENT- DIT chapter 4.4.8-ESCAPE EXIT FLASH MODULES	What type of fixtures are these? You are kindly asked to share the technical specifications.		The detailed design of the facilities is in the scope of the contractor.
56.	Cable Trays and Ladders	We could not find any detail regarding cable trays and cable ladders to be used in tunnels.	Please specify the material requirements for related items.	The detailed design of the facilities is in the scope of the contractor.

57.		<p>Bidder is kindly requesting from Authority to specify whether the below listed systems to be installed in the Egress tunnel or not:</p> <ul style="list-style-type: none"> - Over height Vehicle detection system - Traffic signs system - Traffic Lights system - Traffic Counters system - Guidance system - Escape direction Lamps - Escape exit running lights - Emergency push button system - Emergency Call Column system - Emergency telephone - Internal telephone system - Emergency call signs - Ionisation smoke detectors - Fire alarm push buttons 	If it is required, please provide the related drawings and details.	These facilities are in the scope of the contractor. Also, the detailed design of the facilities is in the scope of the contractor.
58.	<p>Amendment-2 SI.No: 31 and 35 Reply to Prebid Queries Sr.No: 46 and 223-Fixed Fire Fighting System</p>	<p>Bidder kindly request from Authority to confirm that a Fixed Fire Fighting System is requested or not.</p> <p>If it is required, please clarify the type of the system: High Pressure Water Mist System or Deluge System. Since the cost difference of these systems is significant and will affect the tender result. We believe that it should be decided at this stage and this cost should be added to the offers by all bidders for a fair tender.</p>		As per RFP.
59.	<p>Amendment-2 SI.No: 31 and 35-</p>	Heat Release Rate is given as 200 MW in Amendment-2. This is a very huge amount	Please confirm our understanding.	As per RFP.



	Ventilation System	of fire load for Ventilation System and there is no data given in PIARC for 200 MW HRR. So, we think that Ventilation System will be designed according to 50 MW HRR and there will be another Fixed Fire Fighting System like Water Mist System etc.		
60.	Addendum-2 S. No 21-Tunnel Section	Please kindly clarify whether Bidder shall submit his bid for both "Option 1" and "Option 2" or Bidder can submit for "Option 1" only.		The bidder is required to quote only one price bid (inclusive of all taxes including GST) as per the format and the bidder is at liberty to adopt any of the two options for construction purpose.
61.	Time Extension	Considering the complexity and huge scope of this strategically project, we believe more extension of time to the due date is highly required since project site shall still be inaccessible during this period. We are interested to participate in the subject bid and being a foreign company, we would like to require reasonable additional time to visit the project site, collect necessary input details from local market, prepare preliminary design, incorporate the contents of awaited clarification to pre-bid queries and accordingly prepare our bid for submission.	In view of the above information we kindly request you to extend the date of submission at least six more weeks from the current due date (6th May 2019).	As per Amendment No.3.
62.	Performance Bank Guarantee (PBG)	The amount of Performance Bank Guarantee (PBG) and defect liability period are being considered and revised by the	Accordingly, we kindly request you to consider submission of PBG, initially valid for five (4) years period to be	As per RFP.



		Authority with Amendment -2. However, Banks still have reservations for issue of PBG for such a long period.	extended for one year period each at a time, 30 days prior to the date of expiry, until 60 days after defect liability period.	
63.	Technical Capacity	It is stated in the RFP that The Bidder himself should have the experience as mentioned below or propose a specialized sub-contractor who has successfully completed at least one work of underground excavation of not less than 50,000 CuM through vertical shaft of minimum 200 m depth. The bidders shall submit the credentials and the qualifying experience of the specialized sub-contractor along with the technical proposal of the bid. Bidders understanding from above paragraph are that the volume of mentioned value (50.000m) will be calculated as the total volume of both vertical (including first 200 m depth) and horizontal excavation.	Please kindly confirm.	As per RFP.
64.	Annexure IV: Details of Eligible Projects (Page 60: RFP Document) :	In this form, details of each project is to be submitted along with Year wise payment received in last 12 years (refer: Annexure IV: Instructions no.6). However, as per the format of certificate from the Statutory Auditor regarding Construction Project (1st Para, last line) (Page 63: RFP document), certification is	Clarification is requested in this regard.	As per Amendment No.3.

		required for each project during last 5 years only.		
65.	Clause 2.11: Document comprising Technical and Financial BID (Page 32: RFP Document):	It is not clear that where all details are to be submitted regarding technical qualification prior to RFP submission at CPPP (eprocare.gov.in).	Clarification is requested	As per Amendment No.3.
66.	BOQ	The revised BOQ as mentioned in your amendment letter dtd. 16/04/2019 at sl No. (ii) is not traceable in the amendments uploaded.	Please clarify.	In CPP portal, the 'Modified BoQ' is available under the 'Others' head in the Latest Corrigendum list. Bidders are advised to submit their bid as per the 'Modified BoQ' only. In case, old BoQ is submitted, the basic rate quoted shall include all taxes including GST.
67.		As per Qualification Requirements of Bidders, The amendment No. 5 is quite clear, while amendment No. 7 of Cl 2.2.2.4, there is some confusion, On one hand, it talks about the qualification requirement of min 20% of Cl 2.2.2.3(iii), while in the subsequent paras, it talks about meeting the requirement cumulatively/collectively.	May please elaborate, that will fulfilling the criteria jointly be sufficient, or the JV partner has to satisfy, minimum requirement of 20% of Cl. 2.2.2.3(iii)?	As per Amendment No.3.
68.		This date of submission of bid has been extended upto 06.05.2019, however, we find the time available for preparation of bid inadequate considering the nature and	In view of the above, we request you to kindly extend the bid due date of submission of bid by at least eight weeks from the present date	As per Amendment No.3.

		complexities involved in this contract package invited on EPC basis. As advised in Amendment no.2, we need to explore and evaluate the Option-2 for preparation of our bid. Also, our team is yet to complete the visit to project site due to the issue of inaccessibility during this period and plans to visit at earliest possible opportunity.	(06.05.2019) of submission of bid, i.e. upto 01.07.2019 and oblige us.							
69.	Clause 2.2.2.2 Technical Capacity	<p>(iii) Inter-alia provides that “ The sole bidder or in case the bidder being a Joint Venture shall have completed atleast one tunnel project in the last 12 years preceding the bid due date (including tunnels for road/railway /metro rail/irrigation /hydro-electric project etc.) having atleast 50% of the cross sectional area and 25% length of the tunnel to be constructed in this project and the cost of such project shall be atleast 25% of estimated project cost.....” In the instant case, the length of the tunnel is 14.31 km and the Estimated Value Rs 4899.42 Cr. (Clause 1.1.1) and based on this, the requirements for qualifications works out as below:</p> <table border="1"> <tr> <td>Length for qualification</td> <td>25% length of the tunnel to be constructed</td> <td>$0.25 \times 14.31 = 3.5775$ km</td> </tr> <tr> <td>Value in the above project for</td> <td>atleast 25% of Estimated Project Cost</td> <td>$0.25 \times 4899.42 =$ Rs 1224.9 Cr.</td> </tr> </table>	Length for qualification	25% length of the tunnel to be constructed	$0.25 \times 14.31 = 3.5775$ km	Value in the above project for	atleast 25% of Estimated Project Cost	$0.25 \times 4899.42 =$ Rs 1224.9 Cr.	<p>We would like to submit that the cost of the tunnel of length 3.5775 km of given size (cross sectional area @50% of 85 m) for qualification is not comparable with the corresponding requirement of Rs. 1224.9 Crore, being the 25% of the estimated project cost. There is a clear cut mis-match as the bidder while meeting the requirement of length will not have the corresponding value coming from that project by any method of tunneling i.e. by Drill & Blast or TBM for that length of the tunnel as the same would be far less than the value stipulated for qualification.</p> <p>In respect of the above, we have tried to compare the cost of various hydro tunnels of cross sectional area greater than 50% of 85 m² for given qualifying length of 3.5775 km with</p>	As per RFP.
Length for qualification	25% length of the tunnel to be constructed	$0.25 \times 14.31 = 3.5775$ km								
Value in the above project for	atleast 25% of Estimated Project Cost	$0.25 \times 4899.42 =$ Rs 1224.9 Cr.								

qualification

drill & blast and find that the cost for such tunnels is much below the qualifying requirement of Rs. 1224.9 Crore. as may be seen from the details provided below:

SN	Project	Length	X-Sectional area	Tunnel value	Per km value	Total value for qualifying length
1	Rampur HEP	12.849	91.40	433.84	33.76	120.77
2	Punatsangchu 1, MC2	7.39	78.5	375.7	50.83	181.84
3	Punatsangchu 2, C2	6.58	94.985	472.8	71.85	257.04
4	Palamuru Rangaredy-pkg-7	38	103.82	2120.04	55.79	199.58
5	Palamuru Rangaredy-pkg-4	30	103.82	1664.47	55.48	198.47
6	Shongtong Karcham	8.04	78.5	276	34.33	122.82

Note: The above details are taken from approved DPR/awarded value

			<p>for the hydro tunnels executed in the last 12 years or re under execution. In view of the substantial difference in the qualifying cost and the estimated value for the qualifying length as seen from the above projects, it is requested that the existing requirement to meet 25% of estimated project cost for qualification from that project from which the length of 3.5775 km is being met may be allowed to be met from eligible projects such as highways, expressways, bridges, tunnels, runways, railways, metro rails and ports etc. as stated under category 1 or 3 in clause 2.2.2.5.</p>	
70.	Bid extension		<p>We would like to take this opportunity to request you to kindly extend the bid submission date by 4 weeks from present due date of 6th May, 2019.</p>	<p>As per Amendment No.3.</p>

