

# राष्ट्रीय राजमार्ग एवं अवसंरचना विकास निगम लिमिटेड

सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार

तीसरी मंजिल, पीटीआई बिल्डिंग, 4-संसद मार्ग, नई दिल्ली-110001

## National Highways & Infrastructure Development Corporation Limited

Ministry of Road Transport & Highways, Govt. of India

3rd Floor, PTI Building, 4-Parliament Street, New Delhi-110001, +91 11 2346 1600, www.nhidcl.com



**BHARATMALA**  
ROAD TO PROSPERITY



**NHIDCL**  
BUILDING INFRASTRUCTURE - BUILDING THE NATION

CIN: U45400DL2014GOI269062

सार्वजनिक क्षेत्र का उपक्रम

A PUBLIC SECTOR UNDERTAKING

NHIDCL/PatalgangaLandslide/NH-07/2018

17.10.2018

**Subject: Construction and Upgradation including specialized slope treatment of existing road to 2-lane with paved shoulder from Existing Km. 458.900 to Km. 459.475 (Design Ch 456.200 to Ch 456.800) of Patalganga Landslide of NH-07 under Chardham Pariyojna on EPC basis in the state of Uttarakhand**

Replies to Queries			
Sr.No	Reference/Clause No.	Pre-Bid QUERY	Reply
1.	General	The details of available ROW for the project need to be clarified.	As per Annexure-II of Schedule-A
2.	General	The provision of casting yard is under whose scope? Is there any available casting yard for this project?	Casting yard under the scope of EPC Contractor.
3.	General	Shall there be night work permit from NHIDCL?	No
4.	General	Shall there be any permit from NHIDCL for controlled vehicular movement during the project?	Due to stretch in Badrinath Axis. In yatra season the traffic is being regulate by the Civil Authority. NHIDCL doesn't have controlled over it. Contractor has to work out based on previous years data.
5.	General	Is there any specific design speed to be maintained? The details of curvature are required if there any design speed mentioned.	Since, there is no improvement of curves etc. Therefore existing design will be prevail.
6.	General	Widening is not possible for end 450m stretch in Patalganga due to steep slope on valley side and extreme high and vulnerable hill side slope. Only 7m road width along with hill side drain is possible including hill side protection. Please clarify what to do against this issue.	Widening is possible both hill and valley as per Annexure A of Schedule B after widening slope protection to be provided as per provision in Schedule B
7.	<b>RFP Clause 2.2.2.2 (ii)</b> Provided that at least one <b>similar work of 25%</b> of Estimated Project Cost shall have been completed from the Eligible Projects in Category 1 and/or Category 3 specified in Clause 2.2.2.5.	We request to please include the definition of similar work considering the scope of work and to have clarity in submitting the similar work credentials and evaluation of bids on the same platform to have fair competition.	As per RFP



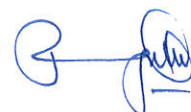
8	<p>RFP Clause 2.2.2.5(iii)</p> <p>(a) highways sector would be deemed to include highways, expressways, bridges, tunnels, runways, Railways (construction/re-construction of railway tracks, yards for keeping containers etc.), Metro Rails and Ports (construction/re-construction of Jetties, any other linear infrastructure including bridges etc.) and</p> <p>(b) core sector would be deemed to include civil construction cost of, power sector, commercial setups (SEZs etc.), airports, industrial parks/estates, logistic parks, pipelines, irrigation, water supply, sewerage and real estate development.</p>	<p>1. The Eligible projects in the highways sector &amp; core sector include a broad spectrum of infrastructure verticals and do not specify specialized works as required for executing this project. Kindly clarify the same.</p> <p>2. This being a specialized nature of work, The authority is requested to include Slope stabilization, Rockfall mitigation, in highways and core sector to allow competent and specialized agencies to bid for such works.</p>	As per RFP
9	<p>Schedule-A , Annexure-I</p> <p>The Site of the Project Highway comprises the land (sum total of land already in possession and land to be possessed).</p>	<p>The authority is requested to clarify regarding the land availability for the entire project length between Existing Km. 458.900 to Km. 459.475 (Design Ch 456.200 to Ch 456.800)</p>	As per Annexure-II of Schedule-A





10	Schedule-B, Annex-I Provision of Gabion retaining wall in a minimum length of 439 m, Rhomboidal Wire Rope Panel along with High Resistance geocomposite Wire Mesh with top and bottom anchor and surface anchor in a minimum length 446 m.	The secured drapery works using Rhomboidal Wire Rope Panel along with High Resistance geocomposite Wire Mesh are always defined on the Sq.m of area to be covered and the estimate is entirely dependent of the stretch length and average height of the slope to arrive at a cost. Further, the Retaining wall structures like Gabion walls is dependent of the height of retaining structure and stretch length. Hence, we request to please provide the Average height of the secured drapery system and height of retaining walls along with stretch length to arrive at the right estimate of work.	Please refer DPR
11	The complete Bidding Documents including the draft Agreement for the Project is enclosed for the Bidders. The Feasibility Report/ Detailed project Report Presented by the Authority / Consultants of the Authority (The "Feasibility Report/ Detailed Project report") are also enclosed.	Feasibility report is not included in the tender document and hence we request to share the same.	DPR has already been uploaded
12	General	Can bidder enter into MoU with an international firm having required experience for slope protection works? Is yes, what are the required documents?	As per RFP
13	General	Is tender fee to be paid online or via DD?	Cost of Bid documents has to be paid via DD and copy of DD uploaded online.
14	General	What is the basis of estimate of the project cost?	The SOR has been brought up from Uttarakhand State for FY-2018-19.
15	General	Pre-Cast tunnel has not been installed in India yet. This route being of high importance should be protected with proven technologies and not such things which are first of its kind in India. Who will be responsible in case the system	As per EPC Contract bidder also give their alternate solutions

		fails? Moreover, there are only one or maximum two companies who are dealing in Pre-cast tunnels like this. Since this is an EPC contract, we request you to let the bidder design a better alternate to precast tunnel.	
16.	General	What is the basis of arriving at 3000 kl capacity of the barrier? What is the size and velocity of boulders considered while designing the capacity of rock fall barrier?	DPR has already been uploaded or bidder has to design its own
17	General	IRC SP 23:2014 is only a report and not a guideline. Why is this report being made essential to be adhered to?	As and where required to be followed
18	General	In drawings, secured drapery is provided with top and bottom anchors. Behind the drapery, provision for surface nailing has been kept. A better alternate to this system is that the drapery be converted to an active drapery with anchors and plates torque to the rock surface. Kindly consider this design change as it will not have much impact on the project cost but will enhance the stability.	As per EPC Contract bidder also give their alternate solutions
19	Reference clause no. 2.2.2.1 BID CAPACITY: Assessed available BID Capacity: (A*N*2.5-B) Where A=Maximum value of civil engineering works in respect of EPC Projects executed in any one year during the last five years (updated to the price level of the year indicated in table below under note) taking into account the completed as well as works in progress. The EPC projects includes turnkey project/ Item rate contract/ Construction works.	This should be maximum value for all construction works during past five years and not only for the work in respect of EPC. This is a specialized work usually done by specialized contractor as sub-contractors for EPC contractors/ Developers/owners of the project. This will elude contractors who are specialized in this work and are having real skill for such specialized job of rockfall protection work being the major work here.	As per RFP



20	RFP Clause 2.2.2.2(ii) For demonstrating technical capacity and experience (the “ <b>Technical Capacity</b> ”), the Bidder shall, over the past 5(five) financial years preceding the Bid Due Date, have received payments for construction of Eligible Project(s), or has undertaken construction works by itself in a PPP project, such that the sum total thereof is more than <b>Rs. 41.83 crore</b>	This should be payment received for all construction works during past five years and not only for the construction work by itself in a PPP project. This is a specialized work usually done by specialized contractor for EPC contractors/ Developers. This will elude contractors who are specialized in this work and are having real skill for such specialized job of rockfall protection work which is the major work.	As per RFP
21	Clause no.2.2.2.2(ii) - Provided that at least one <b>similar work of 25%</b> of Estimated Project Cost shall have been completed from the Eligible Projects in Category 1 and/or Category 3 specified in Clause 2.2.2.5.	There is no mention of rockfall protection work in eligible works either in highway sector or core sector (clause 2.2.2.5 (iii) (a) & (b). Major concern is landslide and related work is slope protection work majorly. Strangely, contractors with experience in bridges/ROB/Flyover are considered. This will elude contractors who are specialized in this work and are having real skill for such specialized job of rockfall protection work which is the major work. SAI GR Impex Pvt. Ltd request to include contractors who have done such similar works as sub-contractors to Developers/ owners of the project of at least 25% of estimated work.	As per RFP
22	General	As per clause 1.2.3 of RFP, it has been mentioned that DPR has been enclosed. Unfortunately, we are unable to find the same. Kindly clarify as the DPR data is essential for estimation of the project cost. We request you to make available the Bore Hole data which has been used to determine the depth of anchors and nails.	DPR has already been uploaded
23.	General	It has been mentioned that for specialized slope protection works, the successful	As per RFP



		bidder has to engage experienced agency/contractor for that particular work. Can the successful bidder enter into MoU with an international firm having required experience for slope protection works? If yes, what are the required documents?	
24.	General	In India, there is not a single evidence / project where Pre-Cast tunnel has been used. This project, being of national and strategic importance, should be protected using already proven protection & stabilization systems. Since this is an EPC contract, we request you to let the bidder design a better solution in place of precast tunnel.	As per RFP
25	General	Kindly clarify the cost break up used to arrive at the cost of project.	The SOR has been brought up from Uttarakhand State for FY-2018-19.
26.	General	Kindly let us know the inputs (such as boulder size, height, velocity etc.) used to arrive at the energy capacity of Rockfall Barrier. Also, during design phase, if the capacity of RFB changes, how will it get incorporated in the design and how the rate shall be arrived?	As per RFP documents
27	General	In the RFP, it has been mentioned that IRC SP 23:2014 has to be followed> We have gone through the same and noticed that IRC SP 23:2014 is only a report and not a guideline. Since this is only a report, why is it being made compulsory to follow it?	Please refer Corrigendum-1

  
(Y C Srivastava)

General Manager (T)

