

# **Request for Proposal**

## **Volume II**

**[Contract Package No.: NHIDCL Cell/Sinthan pass-Anantnag-Khanabal/2017-18/2]**

## FORM OF BID

Description of works:

1. **“Restoration of road by way of clearance of landslide, surface boulders side drain, culverts include construction of R/wall and B/walls and laying of WBM-I, WBM-II, WBM-III & Bituminous Carpeting on Sinthanpass- Anantnag –Khanabal road (Km 184.00 to Km 265.000) in the state of Jammu & Kashmir”.**

**[Contract Package No.: NHIDCL Cell/Sinthan pass-Anantnag-Khanabal/2017-18/2]**

To,  
General Manager (T)  
National Highways & Infrastructural Development Corporation Ltd.  
3<sup>rd</sup> Floor, PTI Building, 4- Parliament Street,  
New Delhi-110001

I, We offer to execute the works described above and remedy any defects therein in conformity with the conditions of Contract, specification, drawings, Bill of Quantities and Addenda for the sum(s) of

2. We undertake, if our Bid is accepted, we shall commence the work within start date as specified in Bid document. In case of any default in this regard, we understand that this shall be considered as our event of default and therefore NHIDCL may forfeit Performance Security. The whole work shall be completed within the period stated in the Bid document.

3. We agree to abide by this Bid for the period of 120 days from the date fixed for receiving the same, and it shall remain binding upon us may be accepted at any time before the expiry of that period.

4. Unless and until a formal Agreement is prepared and executed, this Bid together with your written acceptance thereof, shall constitute a binding contract between us.

5. We understand that you are not bound to accept the lowest or any tender you may receive.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 2016

Signature \_\_\_\_\_ in the capacity of \_\_\_\_\_ duly authorized to sign bids for and on behalf of

(In \_\_\_\_\_ block \_\_\_\_\_ capital \_\_\_\_\_ letters).

Address: \_\_\_\_\_

(To be uploaded electronically on the CPP Portal i.e. <https://eprocure.gov.in> only)

# BILL OF QUANTITIES

## Preamble

1. The Bill of quantities shall be read in conjunction with the Instruction to Bidders, Conditions of Contract, Technical Specifications and Drawings.
2. The quantities given in the Bill of quantities are estimated and provisional and are given to provide a common basis for bidding. The basis of payment will be actual quantities of work ordered and carried out as measured by the Contractor and verified by the Engineer and valued at the rates and prices tendered in the priced Bill of Quantities, where applicable and otherwise at such rates and prices as the Engineer may fix within the terms of Contract.
3. The rates and prices tendered in the priced Bill of Quantities shall, except in so far as it is otherwise provided under the contract, include all equipment, construction plant, labour, supervision, materials, erection, maintenance, testing of input material delivered, profit, taxes and duties together with all general risks, liabilities and obligations set out and implied in the Contract.
4. The rates and prices shall be quoted in words and figure.
5. A rate or price shall be entered against each item in the Bill of Quantities whether the quantities are stated or not. The cost of the items against which the Contractor has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.
5. A rate or price shall be entered against each item in the Bill of Quantities whether the quantities are stated or not. The cost of the items against which the Contractor has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.
6. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities and where no items are provided the cost shall be deemed to be distributed among the rates & prices entered for the related items of work.
7. General directions and descriptions of work and materials are not necessarily repeated or summarized in the Bill of Quantities. Reference to the relevant sections of the Contract documentation shall be made before entering rates or prices against each item in the Bill of Quantities.
8. The method of measurement of completed work for payment shall be in accordance with the specifications for Road and Bridge Works published by the Ministry of Road Transport & Highways (Fifth Revision, 2013).

### Note:

1. Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities.
2. Unit rates and prices shall be quoted by the bidder in Indian Rupee.

<b>Summary of Bill of Quantities (To be uploaded as per format on CPP Portal)</b>			
<b>Bill No.</b>	<b>Description of Items</b>	<b>Total Amount (in Rs.)</b>	
		<b>In figures</b>	<b>In words</b>
<b>A</b>	“Restoration of road by way of clearance of landslide, surface boulders side drain, culverts include construction of R/wall and B/walls and laying of WBM-I, WBM-II, WBM-III & Bituminous Carpeting on Sinthanpass- Anantnag - Khanabal road (Km 184.00 to Km 265.000) in the state of Jammu & Kashmir”.		

**Nature of Work:**

1. **“Restoration of road by way of clearance of landslide, surface boulders side drain, culverts include construction of R/wall and B/walls and laying of WBM-I, WBM-II, WBM-III & Bituminous Carpeting on Sinthanpass- Anantnag -Khanabal road (Km 184.00 to Km 265.000) in the state of Jammu & Kashmir”**

**Bidder:**

**Name:**

<b>SCHEDULE OF WORKS</b> (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)							
Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate (in. Rs.)	RATE In Figures To be entered by the Bidder		AMOUNT Rs. P
					Rs.	P	
					Figures	Words	
<b>“Emergency Restoration of road by way of clearance of side drains, construction of R/walls and providing &amp; laying of WBM &amp; Closed Graded Premix Carpeting/Mixed Seal Surfacing on SinthanPass-Khanabal road, NH-244 from km. 184.000 to km. 265.000 in the State of Jammu &amp; Kashmir.”</b>							
<b>1</b>	<b>Clearance of Land Slide</b>						
1.1	Clearance of landslides in soil and ordinary rock	16000.00	cum				
1.2	Disposal of mulba including loading/ unloading excluding haulage Qty vide item no. 1 @ 50%	8000.00	cum				
1.3	Haulage of materials by tipper (excluding loading / unloading), avg . Lead 5Kms Qty vide item no. 2 x 1.60 x 5	64000.00	T-Km				
<b>2</b>	<b>Maintenance of Earthen Shoulder</b>						
2.1	Maintenance of earthen shoulder (filling with fresh soil) making up loss of material / irregularities on shoulder to the design level by adding fresh approved soil and compacting it with appropriate equipment.	108000.00	sqm				
<b>3</b>	<b>Construction of Kuccha Drain</b>						
3.1	Earthwork in excavation by manual means in trenches for foundations of drains, pipes cables etc. over areas not exceeding 1.50 mtr in width & 10 sqm on plan Soil = 70% (35% Manual means, 35% Mechanical means), OR =30%	5132.72	Cum				
<b>4</b>	<b>Construction of Cross Drainage works (Cause way / scupper) &amp; Parapets</b>						
4.1	P/L in positon cement concrete of specified grade 1:2:4 using 20mm nominal size crushed including cost of formwork	240.00	Cum				
<b>5</b>	<b>Clearance of Hill Side Drain</b>						
5.1	Hill side drain clearance filled with morum / kanker / shingle etc. by	19000.00	RMT				

	manual means including disposal of mulba on valley side considering 0.2cum of earth filled per RMT of drain.						
6	<b>Fixing of Traffic Sign Board</b>						
6.1	Fixing of Retro-Reflectorised Traffic Sign Board.	50.00	No				
7	<b>Construction of B/Wall</b>						
7.1	Earthwork in excavation by manual means in trenches for foundations of drains, pipes cables etc. over areas not exceeding 1.50 mtr in width & 10 sqm on plan Soil = 70% (35% Manual means, 35% Mechanical means), OR =30%	314.55	cum				
7.2	P/L in position cement concrete of specified grade 1:2:4 using 20mm nominal size	493.49	cum				
7.3	Random Rubble stone manually with hard nallah stone in foundations upto plinth with 1:6 cement mortar	1584.400	cum				
7.4	Back filling behind R/Walls, wing walls, Return wall etc.	495.13	cum				
8	<b>Construction of Retaining Walls</b>						
8.1	Earthwork in excavation by manual means/mechanical means in trenches for foundations of drains, pipes cables etc. over areas not exceeding 1.50 mtr in width & 10 sqm on plan Soil = 70% (35% Manual means, 35% Mechanical means), OR =30%	1986.00	cum				
8.2	P/L in position cement concrete of specified grade 1:3:6 in foundation including cost of formwork	663.090	cum				
8.3	P/L in position cement concrete of specified grade 1:2:4 using 20mm nominal size crushed including cost of formwork for Parapets and coping	161.70	cum				
8.4	Random Rubble stone manually with hard nallah stone in foundations upto plinth with 1:6 cement mortar	2188.19	cum				
8.5	Dry Random Rubble stone masonry using hard nallah stones in Panels of R/Walls.	1875.45	cum				
8.6	Back filling behind R/Walls, wing walls, Return wall etc.	2030.46	cum				
9	<b>WBM-I, II, III &amp; Close Graded Premix Surfacing/Mixed Seal Surfacing or WMM &amp; Bituminous Carpeting</b>						
9.1	<b>Water Bound Macadam:</b> Grading-I Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel/ vibratory roller 8-10 tonnes in stages to proper	7560.0000	cum				

	grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density.						
9.2	<b>Water Bound Macadam: Grading-II</b>  Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel/ vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density.	6300.00	cum				
9.3	<b>Water Bound Macadam: Grading-III</b> Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel/ vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density.	6300.00	cum				
9.4	<b>Prime Coat:</b>  Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means.	162400.00	sqm				
9.5	<b>Tack coat:</b> Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom.	162400.00	sqm				
9.6	<b>Close Graded Premix Surfacing/Mixed Seal Surfacing:</b>  Mechanical means using HMP of appropriate capacity not less than 75 tonnes/hour. Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.09 mm (Type-a) or 13.2 mm to	1862.0000	cum				

	0.09 mm (Type-B) aggregates using penetration grade bitumen to the required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a Smooth wheeled roller 8-10 tonne capacity, and finishing to required level and grade.							
9.7	<b>Bituminous Concrete:</b>  Providing and laying bituminous concrete with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 5.4 to 5.6 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 complete in all respects	1732.5000	cum					
10	<b>Restoration of road by way of clearance of snow from Km 184.000 to Km 265 to Km 224 on sinthanpass-Anantnag road</b>							
10.1	Clearance of snow from Km 184.000 to 189.000	35475	cum					
10.2	Clearance of snow from Km 189.000 to 197.000	56265	cum					
10.3	Clearance of snow from Km 197.000 to 204.000	49665	cum					
10.4	Clearance of snow from Km 204.000 to 210.000	42570	cum					
10.6	Clearance of snow from Km 210.000 to 215.000	34980	cum					
10.6	Clearance of snow from Km 215.000 to 224.000	59400	cum					
10.7	Urea	4800	Kg					
10.8	Salt	9600	Kg					
<b>Total in Figures</b>								<b>0.00</b>
<b>Total in Words</b>		<b>Rupees only</b>						