

File No.RW/G-23012/01/2019-W&A(Pt.III)

**Government of India  
Ministry of Road Transport & Highways  
(Planning Zone)**

Transport Bhawan, 1, Parliament Street, New Delhi - 110001

Dated the 15<sup>th</sup> January, 2021.

To

1. The Principal Secretaries/ Secretaries of all States/UTs Public Works Department dealing with National Highways, other centrally sponsored schemes.
2. All Engineers-in-Chief and Chief Engineers of Public Works Departments of States/ UTs dealing with National Highways and other centrally sponsored schemes.
3. The Chairman, National Highways Authority of India, G-5&6, Sector-10, Dwarka, New Delhi-110075.
4. The Managing Director, NHIDCL, PTI Building, New Delhi-110001
5. The Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi-110010.

**Subject: - Contract Document for Short Term maintenance of NHs - Reg.**

**Ref: - Ministry's letter of even no. dated 23.11.2020.**

Sir,

Please refer to the Standard Operating Procedure (SOP) for PR / IRQP works and OR works for Maintenance & Repair (M&R) of NHs issued vide letter under reference.

2. The Contract Document for Short Term maintenance of NHs for one year shall be based on the modifications to IRC:SP:124-2019 (Model Contract for Maintenance of Roads (Based on Single Percentage Rate)) enclosed herewith with immediate effect and until further orders. The Short term maintenance contracts shall be awarded on NH stretches requiring only minor repairs (such as pothole and patch repairs, etc.) and on which improvement / PR / IRQP works may be done within next two (2) year period.

3. Implementation of immediate restoration works for Flood Damages, etc., on the stretches of NHs, on which maintenance contracts have already been assigned, may be got executed as a variation to such ongoing contracts under OR (DPP) as per inter-se priority and availability of allocations subject to prior approval of overall enhancement of such ceilings of works and annual phasing of expenditures for the State. Allocations for such works may not be made under FDR(N).

4. This issues with the concurrence of Finance Wing vide U.O. No. Note #17, dated 31.12.2020 and approval of Competent Authority.

Enclosure: As above

  
(A Maulik)

Executive Engineer (Planning)  
[planningmorth@gmail.com](mailto:planningmorth@gmail.com)

Copy to:

1. All CEs in the Ministry of Road Transport & Highways

2. All ROs of the Ministry of Road Transport & Highways
3. The Secretary General, Indian Roads Congress
4. Technical circular file of S&R (P&B) Section
5. NIC-for uploading on Ministry's website under "What's new"

Copy for information and necessary action to:

1. PS to Hon'ble Minister (RT&H)
2. PS to Hon'ble MOS (RT&H)
3. Sr. PPS to Secretary (RT&H)
4. Sr. PPS to DG (RD) & SS
5. Sr. PPS to AS&FA
6. Sr. PPS to Pr. CCA, MoRT&H
7. Sr. PPS / PPS / PS to ADG-I/II/III/IV
8. Sr. PPS / PPS / PS to JS (H)/ JS (NHIDCL)/ JS (Toll) / JS (LA&C)

## Annexure

Enclosure to Ministry's letter no. No.RW/G-23012/01/2019-W&A(Pt.III) dated 15.01.2021.

### **Contract Document for Short Term maintenance (One year) of NHs - Reg.**

The modifications to IRC:SP:124-2019 (Model Contract for Maintenance of Roads (Based on Single Percentage Rate)) shall be:-

(i) Section-1, Notice Inviting Tender:-

For	Read
<p>(1) .....Cost of Bid Documents (Non-Refundable): Rs._____</p> <p>E-Tender Processing Fee (Non-Refundable): Rs._____ (through e-payment gateway of _____ Bank using Credit Card/ Debit Card - Master Card and Visa Card only).</p> <p>(4) To participate in the e-Bid submission, it is mandatory for the bidders to have user ID &amp; password which has to be obtained by submitting an annual registration charges of Rs.____+GST@____to M/s _____ through e-payment gateway of _____ Bank using Credit Card/ Debit Card - Master Card and Visa Card only. The registration obtained, as mentioned above shall be valid for one year from date of its issuance and be subsequently renewed. The bidder shall be able to participate in e-tendering of any project of _____. Bidder shall obtain such user ID and password in its own name.</p> <p>(5) .....To participate in bidding, bidder shall pay cost of Bid Document (Non-refundable) in the form of Demand Draft favouring "_____"payable at _____ and Tender Processing fee (Non-refundable) in favour of M/s____, through e-payment gateway of _____ Bank using Credit Card/ Debit Card - Master Card and Visa Card only.</p>	<p>(1).....Cost of Bid Documents (Non-Refundable): Rs._____</p> <p>E-Tendering Processing Fee (Non-Refundable): NIL</p> <p>(4) To participate in the bidding, it is mandatory for the Bidders to get registered their firm with e-procurement portal <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> to have user ID &amp; password which has to be obtained free of cost. Following may kindly be noted:</p> <p>(a) Registration with e-procurement portal should be valid at least up to the date of submission of BID.</p> <p>(b) BIDs can be submitted only during the validity of registration.</p> <p>The Bidders shall update their project and other details on the portal on a regular basis and apply to the tenders via the portal.</p> <p>Bidders are also required to get registered their firm with Bidder Information Management System (BIMS) Portal.</p> <p>(5) The complete BID document can be viewed / downloaded from official portal of the CPPP website (<a href="https://eprocure.gov.in/eprocure/app">eprocure.gov.in/eprocure/app</a>) and BIMS portal (<a href="https://bims.gov.in">bims.gov.in</a>) from _____ to _____ (upto 17.00 Hrs. IST). The amendments/ clarifications to the Bid Document, if any, will be hosted on the above website.</p>

For	Read												
	<p>The bidder is required to submit, along with its BID, the cost of BID/RFP document, i.e. Rs. ____ (Rupees _____ only), to Employer's account through Bharat Kosh, as mentioned below:</p> <table><tr><th>S. No.</th><th>Particulars</th><th>Details</th></tr><tr><td>1.</td><td>Link of Bharat Kosh</td><td>bharatkosh.gov.in</td></tr><tr><td>2.</td><td>Pay and Accounts Officer (PAO)</td><td>_____</td></tr><tr><td>3.</td><td>Drawing and Disbursing Officer (DDO)</td><td>_____</td></tr></table>	S. No.	Particulars	Details	1.	Link of Bharat Kosh	bharatkosh.gov.in	2.	Pay and Accounts Officer (PAO)	_____	3.	Drawing and Disbursing Officer (DDO)	_____
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3.	Drawing and Disbursing Officer (DDO)	_____											
<p>(8) The last date for online submission of the Bid is ----- upto ..... hrs (as mentioned on the e-portal only) ("Bid Due Date"). The bids would be opened on ----- at ..... hrs. online at -----, representatives of the bidders (maximum of two) who choose to attend, may attend the online opening of the bids at ----- on the date and time as mentioned above. However, such representatives shall be allowed to attend the opening of the bids only if they produce letter of authority on the letterhead of the bidder, at the time of opening of bids as mentioned above.</p>	<p>(8) The last date for online submission of the Bid is ----- upto ..... hrs (as mentioned on the e-portal only) ("Bid Due Date"). Bidder must submit its Financial Bid and Technical Bid on CPPP e-procurement portal within the above deadline. Bidder must also submit Technical Bid on BIMS Portal within the specified deadline.</p> <p>The bids would be opened on ----- at ..... hrs. online at -----, representatives of the bidders (maximum of two) who choose to attend, may attend the online opening of the bids at ----- on the date and time as mentioned above. However, such representatives shall be allowed to attend the opening of the bids only if they produce letter of authority on the letterhead of the bidder, at the time of opening of bids as mentioned above.</p>												

(ii) Section-2, Instructions to Bidders (ITB) and Appendix to ITB:-

For	Read
<p>(12.2) .....Though, the scanned copies of following documents is required to be uploaded during submission of e-bid on the e-tendering portal, as per Clause 12.1 above, however,</p>	<p>(12.2) .....Though, the scanned copies of following documents is required to be uploaded during submission of e-bid on the e-tendering portal and BIMS Portal, as per Clause 12.1</p>

For	Read
following original documents in physical form shall be submitted in a sealed envelope on or before the Bid Due Date and before the time of submission as specified in NIT at the address indicated in Clause 20, duly superscribed "Name of Work, Bid Due Date and time". Name and address of the bidder should also be indicated on the envelope.	above, however, following original documents in physical form shall be submitted in a sealed envelope on or before the Bid Due Date and before the time of submission as specified in NIT at the address indicated in Clause 20, duly superscribed "Name of Work, Bid Due Date and time". Name and address of the bidder should also be indicated on the envelope.
i) Copy of Acknowledgement for Tender Submission and EMD/Bid Security	i) Copy of Acknowledgement for Tender Submission and Bid Securing Declaration
ii) Bid Document Fee	ii) Bid Document Fee
iii) Tender Processing Fee	iii) Deleted
iv) Written Power of Attorney of the signatory (whose digital signature certificate is used during e-tender submission) of the bidder to commit the Bid.	iv) Written Power of Attorney of the signatory (whose digital signature certificate is used during e-tender submission) of the bidder to commit the Bid.
v) Affidavit duly notarized (as per the format provided in Section-3)	v) Affidavit duly notarized (as per the format provided in Section-3)

(iii) Section-2, Instructions to Bidders (ITB) and Appendix to ITB:-

For	Read
(15.1) Bids shall remain valid for a period of 90 days after the deadline date for bid submission specified in Clause 20. A bid valid for a shorter period shall be rejected by the Employer as non-responsive.	(15.1) Bids shall remain valid for a period of 120 days after the deadline date for bid submission specified in Clause 20. A bid valid for a shorter period shall be rejected by the Employer as non-responsive.

(iv) Section-2, Instructions to Bidders (ITB) and Appendix to ITB:-

For	Read
<p><b>(16) Earnest Money/ Bid Security/ Forfeiture/ Debarment</b></p> <p>(16.1) The bidder shall furnish, as part of the Bid, Earnest Money/ Bid Security, in the amount as specified in the NIT. (Bank guarantee/ demand draft must be in favour of the Employer).</p> <p>(16.2) The Earnest Money shall, at the Bidder's option, be in the form of Bank Guarantee/ Demand Draft only (the other forms will not be</p>	<p><b>(16) Bid Securing Declaration</b></p> <p>(16.1) A Bidder is required to submit, along with its BID, a Bid Securing Declaration.</p> <p>(16.2) The Bidder has to sign a Bid Securing Declaration accepting that if the Bidder withdraws or modifies its bid during the period of validity i.e. not less than 180 (one hundred eighty) days from the bid due date or if the bidder is awarded the contract and fails to sign the contract or to submit</p>

For	Read
<p>acceptable) of any scheduled commercial bank approved by RBI having a net worth of not less than Rs.500 crore as per the latest annual report of the bank and must be in the name of Employer.....It shall be valid for 45 days beyond the validity of the bid. Any bid having bid security for lesser value and shorter validity period shall be treated as non-responsive.....</p> <p>(16.3).....</p> <p>(16.4).....</p> <p>(16.5).....</p> <p>(16.6).....</p> <p>(16.7)In case of forfeiture of bid security, the bidder shall also be debarred from participation in the works of [----] for a period as decided by [---]</p>	<p>a performance security before the deadline defined in the request for bid documents, the bidder will be suspended from participation in the tendering process for the works of MoRTH/ NHAI/ NHIDCL and works under Centrally Sponsored Schemes, for a period of one year from the bid due date of this work. The Bid Securing Declaration shall be submitted as per the format at Section 4 (Format for Bid Securing Declaration)</p>

(v) Section- 2, Instructions to Bidders (ITB) and Appendix to ITB:-

For	Read
<p>(28.2) If the Bid of the successful Bidder is seriously unbalanced in relation to the Employer's estimate of the cost of work to be performed under the contract, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the Performance Security set forth in <b>Clause 33</b> be increased and an additional Performance Security may be obtained at the expense of the successful Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract. The amount of the additional increased Performance Security as decided by the Employer shall be final, binding and conclusive on the bidder.</p>	<p>(28.2) If the Bid of the successful Bidder is seriously unbalanced in relation to the Employer's estimate of the cost of work to be performed under the contract, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. If, after evaluation of the price analyses, the Employer determines that the bidder has substantially failed to demonstrate its capability to deliver the contract at the offered price, the Employer may reject the bid/proposal.</p>

(vi) Section-2 Instructions to Bidders (ITB) and Appendix to ITB: -

For	Read
<p><b>(32) Performance Security</b></p> <p>(32.1) Within 10 (ten) days after receipt of the Letter of Acceptance, the successful Bidder shall deliver to the Employer, a Performance Security of Five percent of the Contract Price plus any additional security for unbalanced Bids in accordance with ITB Clause 28.2, valid for the period of 28 days after the expiry of defect liability period and sign the contract. The validity shall account for additional 3 months' time for Bank Guarantee verification, signing of contract and start date.</p> <p>(32.2) The performance security shall be either in the form of a Bank Guarantee or fixed deposit Receipts, in the name of the Employer, from a Bank as specified in case of Earnest Money/Bid Security.</p> <p>(32.3) Failure of the successful bidder to comply with the requirement of ITB Clause 32.1 shall constitute sufficient ground for cancellation of the award and forfeiture of the Bid Security and debarment for a period as specified in ITB Clause 16.7.</p>	<p><b>(32) Performance Security</b></p> <p>(32.1) Within 10 (ten) days of receipt of Letter of Acceptance, the selected Bidder shall furnish to the Employer an irrevocable and unconditional guarantee from a Bank in the form set forth in Section 4 (Form of Bank Guarantee for Performance Security) for an amount equal to 5% (five percent) of the Bid Price.</p> <p>A. Bank Guarantee, in the name of the Employer, from following banks would be accepted: -</p> <ul style="list-style-type: none"> <li>i) State Bank of India or its subsidiaries,</li> <li>ii) Any Indian Nationalised Bank</li> <li>iii) IDBI/ICICI Bank</li> <li>iv) A Foreign Bank (issued by a branch outside India) with a counter guarantee from SBI or its subsidiaries or any Indian Nationalised Bank.</li> <li>v) Any Scheduled Commercial Bank approved by RBI having a net worth of not less than Rs. 500 crore as per the latest Annual Report of the Bank.</li> </ul> <p>In the case of a Foreign Bank (issued by a branch in India), the net worth in respect of the Indian operations shall only be taken into account.</p> <p>B. The acceptance of the guarantees shall also be subject to the conditions that the capital adequacy of the Bank shall not be less than the latest norms prescribed by RBI.</p> <p>C. The bank guarantee issued by a Cooperative Bank shall not be accepted.</p> <p>(32.2) The Performance Security shall be valid until 60 (sixty) days after the Defects Liability Period.</p> <p>(32.3) For avoidance of any doubt, in case of failure of submission of Performance Security within the stipulated time period, the award shall be deemed to be cancelled/ withdrawn. Thereupon all rights, privileges, claims and entitlements of the Contractor under or arising out of the Award shall be deemed to have been waived by, and to have ceased with the concurrence of the Contractor, and the Award shall be deemed to have been withdrawn by the Employer.</p>

For	Read
	<p>(32.4) The agreement will be executed within 10 days of receipt of Performance Security.</p> <p>(32.5) Notwithstanding anything to the contrary contained in this RFP, Performance Security for an amount equal to 3% (three percent) of the Bid Price shall be applicable for all tenders/contracts issued till 31.12.2021, in accordance with DoE's OM No. F.9/4/2020-PPD dated 12.11.2020. Rate of Performance Security to be adopted for Contracts finalized after 31.12.2021 shall be governed by applicable policies at that period.</p>

(vii) Section-2, Instructions to Bidders (ITB) and Appendix to ITB:-

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(viii) In the Section-4, "Forms of Bank Guarantees, Letter of Acceptance (LOA) and Agreement", Form of Bank Guarantee for Bid Security shall be replaced with Format for Bid Securing Declaration, as detailed below:-

<b><u>BID SECURING DECLARATION</u></b>
<p><i>I hereby submit a declaration that the bid submitted by the undersigned, on behalf of the bidder, [Name of the bidder], either sole or in JV, shall not be withdrawn or modified during the period of validity i.e. not less than 180 (one hundred eighty) days from the bid due date.</i></p> <p><i>I, on behalf of the bidder, [Name of the bidder], also accept that in case the bid is withdrawn or modified during the period of its validity or if we fail to sign the contract in case the work is awarded to us or we fail to submit a performance security before the deadline defined in Section 2 of the Request for Proposal (RFP), then [Name of the bidder] will be suspended for participation in the tendering process for the works of MoRTH/NHAI/NHIDCL and works under other Centrally Sponsored Schemes, for a period of one year from the bid due date of this work.</i></p> <p style="text-align: right;"><i>(Signature of the Authorised Signatory)</i> <i>(Official-Seal)</i></p>

(ix) Section-4, Forms of Bank Guarantees, Letter of Acceptance (LOA) and Agreement:-

For	Read
<b>FORM OF BANK GUARANTEE FOR PERFORMANCE SECURITY</b> .....This guarantee shall be valid until 28 days from the date of expiry of the Defects Liability Period.....	<b>FORM OF BANK GUARANTEE FOR PERFORMANCE SECURITY</b> .....This guarantee shall be valid until 60 days from the date of expiry of the Defects Liability Period.....

(x) Section-5, General Condition of Contract (GCC), A-General, 1-Definitions:-

For	Read
<b>Road Maintenance Works and Activities to be carried out by Contractor shall include:</b> Maintenance of the road assets and incident management specified in the BOQ and executing other items of road maintenance works as ordered by the Engineer.	<b>Road Maintenance Works and Activities to be carried out by Contractor shall include:</b> Maintenance of the road specified in the BOQ and executing other items of road maintenance works as ordered by the Engineer.

(xi) Section-5, General Condition of Contract (GCC), A-General, 1-Definitions:-

For	Read
<b>Rectification Standard:</b> <p>The Contractor shall maintain the Road Assets in proper condition that comply with the Road Maintenance Standards and ensure road users safety and comfort. The maintenance activities shall be so planned that the defects are repaired well before they reach maximum condition as per the permissible tolerance.</p>	<b>Rectification Standard:</b> <p>The Contractor shall maintain the specific parts of the road aspects as specified in BOQ or as ordered by Engineer in charge and ensure road users safety and comfort. The maintenance activities shall be so planned that the defects are repaired well before they reach maximum condition as per the permissible tolerance.</p>

(xii) Section-5, General Condition of Contract (GCC), C-Quality Control:-

For	Read
<p>(31.4) The Defects Liability Period shall be as given in the Contract Data, counted from the Date of Completion stated in the Certificate of Completion issued in pursuance of Clause 47. The defect liability period is not applicable for works of routine maintenance such as pot holes/ patch repairs/ ruts repairs under performance based BOQ item.</p>	<p>(31.4) The Defects Liability Period is not applicable for works of routine maintenance such as pot holes/ patch repairs/ ruts repairs/ cleaning and clearing, etc. under performance based BOQ item.</p> <p>However, for other specific items of works (if any), got executed as ordered by Engineer (if any), the Defects Liability Period shall be 36 months, counted from the Date of Completion stated in the Certificate of Completion issued in pursuance of Clause 47.</p>

(xiii) Section-5, Contract Data, Item No. 8:

For	Read
<p>The limit of subcontracting is 50% of initial contract price.</p>	<p>The limit of subcontracting is NIL of initial contract price.</p>

(xiv) Section-5, Contract Data, Item No. 16:

For	Read
<p>The Defect Liability Period will be 36 months for periodic renewal and other improvement works.</p>	<p>The Defect Liability Period will be 36 months for periodic renewal and other improvement works executed (if any)</p>

(xv) Section-7, "Road Maintenance Standards and Specifications for Road Maintenance Works, Part-I and Part-II", Clause No. 2.1 under Part-I:-

The entire row in the table, corresponding to "Item No. 3.2 of Bill no. 3 (Providing road patrols and surveillance, automobile assistance, tow away cranes and ambulance services as per maintenance standard Clause 2.2)", shall be deleted.

(xvi) Section-7, "Road Maintenance Standards and Specifications for Road Maintenance Works, Part-I and Part-II", Clause No. 2.2 under Part-I:

For	Read
(2.2) Providing road patrols and surveillance, automobile assistance, tow away cranes and ambulance services (Incident Management).....	(2.2). Deleted

(xvii) Section-9, Financial Bid Form and Bill of Quantities, Bill of Quantities (BOQ):-

For	Read
<b>BILL NO. 3 – PERFORMANCE BASED INCIDENT MANAGEMENT AND PAVEMENT REPAIRS</b>	<b>BILL NO. 3 – PAVEMENT REPAIRS</b>

(xviii) Section-9, Financial Bid Form and Bill of Quantities, Bill of Quantities (BOQ):-

The suggestive BOQ should be broadly as mentioned below, the item nos. mentioned here are of IRC:SP:124-2019:-

BILL NO. 1:ROAD MAINTENANCE						
Item No.	Description of Items	Unit	Quantity	Rate (in Rs.)	Amount in Rs.	Remarks
1.1	Providing spot reconditioning, reconstruction and regravelling to repair specific erosion or other damages for restoring the eroded area to originally constructed cross section on cuts and fills slopes/ shoulders conforming to Technical Specifications <b>Clause no. 3002.</b> Fill material should be brought from borrow areas located outside ROW conforming to <b>Technical Specification no. 305.</b> Watered and well compacted with plate compactor or power rammer with all leads and lifts as directed by the Engineer (Quantity of compacted Fill material to	Cum				

BILL NO. 1:ROAD MAINTENANCE						Remarks
Item No.	Description of Items	Unit	Quantity	Rate (in Rs.)	Amount in Rs.	
	be measured on cross sectional area basis)					
1.2	Providing repair to stone pitching/ apron <b>over the filter media/ drainage layer</b> at scattered locations over the slopes of guide bunds, river training works, and road embankments as per Technical Specifications <b>Clause no. 2504</b> complete in all respects as directed by Engineer <b>involving the below given operations however as per its actual applicability at site.</b>					
	i) Providing and laying 200 mm granular material filter conforming to MoRTH Specifications <b>Clause no. 2504</b> complete in all respects as per directions of Engineer-In-Charge.	Cum				
	ii) Providing repair to damaged stone pitching/ apron over the prepared surface as per technical Specifications <b>Clause no. 2504</b> complete in all respects as per directions of Engineer.					
	a) Using boulders available at site (The job includes removal and stacking of boulders from damaged location).	Cum				
	b) Using material procured by the agency.	Cum				
1.6	Clearing cleaning, deepening and reshaping of roadside unlined/ kaccha drains and making shallow kaccha lateral drains on shoulders wherever required, including removal and disposal of sediments, extraneous debris and vegetation growth blocking the free flow from site <b>outside ROW</b> with all leads and lifts complete in all					Limited quantity to be operated as per the actual site requirement and availability of funds as decided by the Engineer.

BILL NO. 1:ROAD MAINTENANCE						
Item No.	Description of Items	Unit	Quantity	Rate (in Rs.)	Amount in Rs.	Remarks
	respects as directed by the Engineer- In-Charge and as per Maintenance Standard <b>Clause no. 3.1</b> (Frequency of cleaning in urban areas will be quarterly whereas in rural areas, it will be twice in a year i.e. before and after monsoon).					
	a) Drains having depth upto 0.6 meter	RM				
	b) Drains having depth more than 0.6 meter	RM				
1.7(A)	Clearing road side/Median open lined/ pucca drains to bring them to original shape, <b>drainage capacity including disposal of sediments, extraneous debris and vegetation growth blocking the free flow from site outside ROW with all leads and lifts complete in all respects as directed by the Engineer-In-Charge and as per Maintenance Standards Cause no. 3.1</b> (Frequency of cleaning in urban areas will be quarterly whereas in rural areas, it will be twice in a year i.e. before and after monsoon).					Limited quantity to be operated as per the actual site requirement and availability of funds as decided by the Engineer.
	a) Drains having cross-sectional area upto 0.3 Sqm	RM				
	b) Drains having cross-sectional area more than 0.3 Sqm	RM				
1.7(B)	Clearing longitudinal and transverse covered drains and pipe drains <b>including manholes, gratings, channels and gullies etc.</b> and bringing them to original drainage capacity, including <b>disposal of sediments, extraneous debris and vegetation growth blocking the free flow from site outside ROW with all leads and lifts complete in</b>	RM				Limited quantity to be operated as per the actual site requirement and availability of funds as decided by the Engineer.

BILL NO. 1:ROAD MAINTENANCE						Remarks
Item No.	Description of Items	Unit	Quantity	Rate (in Rs.)	Amount in Rs.	
	<b>all respects</b> as directed by the Engineer and as per Maintenance Standards <b>Clause no. 3.1. The job also includes</b> removing and refixing of precast slab in original position, (Frequency of cleaning will be as per site requirement however limited to twice in a year).					
1.8	Clearing slab/ box type culverts and pipe culverts including clearing, cleaning and reshaping of upstream and downstream faces of these culverts within right of way. The job includes disposal of excess material recovered from site including vegetation outside ROW with all leads and lifts complete in all respects as per direction of Engineer-In-Charge and as per Maintenance Standards <b>Clause 3.1</b> (Frequency of cleaning will be one time in a year i.e. before start of monsoon).					
	a) Slab/ Box Type Culverts	No.				
	b) Pipe Culverts	No.				
1.10	Removal of rank vegetation/ weeds and undesirable vegetation from shoulders, embankment slopes upto ROW (both sides) complete in all respects including breaking of clods, rough dressing and disposal of waste material and vegetation at a place outside ROW as per direction of Engineer- In-Charge and as per Maintenance Standards <b>Clause 3.3</b> (Frequency will be once in a quarter).					Limited quantity to be operated as per the actual site requirement and availability of funds as decided by the Engineer.
	a) Shoulders including side slopes of embankment upto toe line on both sides of the carriageway. (Frequency of cleaning will be four times in	Sqm				

BILL NO. 1:ROAD MAINTENANCE						Remarks
Item No.	Description of Items	Unit	Quantity	Rate (in Rs.)	Amount in Rs.	
	a year; however limited to only areas prone to growth of rank/ undesirable vegetation and weeds).					
	b) From Toe line of embankment slopes of ROW on both sides of the carriageway (Frequency of cleaning will be two times in a year; however limited to only areas prone to growth of rank/ undesirable vegetation and weeds).	Sqm				
1.11(A)	Providing slurry seal for filling of hair cracks, surface cracks and preventive/ renewal treatment as per MoRTH Specification <b>Clause 512.</b>					
	a) Filling hair cracks	Sqm				
	b) Filling of Surface cracks 1-3 mm and preventing/ renewal treatment.	Sqm				
	c) Filling of surface cracks 1-3 mm and preventing/ renewal treatment.	Sqm				
1.11(B)	Providing and applying low viscosity bitumen emulsion for sealing cracks less than 3 mm wide or incipient fretting or disintegration in an existing bituminous surfacing complete as per MoRTH Specifications <b>Clause 3004.3.2</b> and as per direction of the Engineer-in-Charge (Fog seal).	Sqm				
1.11(C)	Providing sealing to cracks wider than 3 m complete as per Technical Specifications <b>Clause no. 3004.3.3</b> and as per satisfaction of the Engineer-In-Charge.	Sqm				
1.12	Providing treatment to bleeding bituminous surface by uniform spreading of crusher dust/ other fine graded material as per <b>Clause 3004.4</b> of Technical Specifications complete in all respects and as per	Sqm				

BILL NO. 1:ROAD MAINTENANCE						
Item No.	Description of Items	Unit	Quantity	Rate (in Rs.)	Amount in Rs.	Remarks
	direction of Engineer-In-Charge.					
1.17	Applying Epoxy mortar over leached honey combed and spalled concrete surface and exposed steel reinforcement complete as per Technical Specifications <b>Clause 2804</b> and as per approval of the Engineer.	Sqm				Limited quantity to be operated as per the actual site requirement and availability of funds as decided by the Engineer. Any variation in quantity for taking care of Special Repair (SR) requirements may be included through a separate sanction/ approval as per the extant policy guidelines.
BILL NO. 2: ROAD PROPERTY MAINTENANCE						
Item No.	Description of Items	Unit	Quantity	Rate (in Rs.)	Amount in Rs.	Remark
2.7	Cleaning, removing, clearing of dust and dirt from the existing metal crash barrier and pedestrian guard rail by washing with water and detergent etc. complete as directed by the Engineer.	RM				
2.14	Strengthening and repairing of partially damaged M.S. pedestrian Railing/ pipe railing complete including welding, repairing/ replacement of damaged parts/portions (salvage material will be Contractor's property) as per existing pattern complete in all respects including painting of the damaged portions to match with the existing railing and as per direction of the Engineer in-charge.	Per RM of full height of railing				

### BILL No. 3- PAVEMENT REPAIRS

Item No.	Description of Items	Unit	Quantity	Rate in Rs.	Amount in Rs.	Remarks
3.1	Providing treatment and repair to pot holes/ ruts and	Per month				

Item No.	Description of Items	Unit	Quantity	Rate in Rs.	Amount in Rs.	Remarks
	any depth/ patch repair of all types of bitumen pavement complete as per Technical Specification <b>Clause 3004.2</b> and as per direction of Engineer by using paving grade bitumen/ emulsion/ cold ready mix material. The job includes removal of all failed material, trimming of completed excavation to providing firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as per <b>Clause no. 503</b> back filling the patch with bituminous material as per <b>clause no. 509</b> . Compacting trimming and finishing the surface to form a smooth continuous surface all as per <b>Clause no. 3004.2</b> of Technical Specification.					

Note: In case of any error of Clause of MoRTH Specifications, the appropriate correct clause of the MoRTH Specifications shall prevail, as per the decision of Engineer-In-Charge/ Employer.